

ggccggcatc tacactatgg aaaatttcgt agcaacggag cctgaggctg tcctagcagg 360
 gacttcccgt accctaaaac caggaggctg tctatcattg tttgagtatg accatgagct 420
 ggacgaaaaa accaagatgt gatgggacag tctatgcgca agatcagcgg attcgctacg 480
 atccccgaaa acattttctc gcacccaggg gtattccagc gtatgcttga aggtgctgga 540
 ttcacgaatg tgactgcaca gcattattcg gacaatacca agcctatgac atgactgttt 600
 cacctgattg cctacattcc tcaccttacc gtcacgttcc tcggcttgga caaatacttt 660
 attaatacga tagctggagt tcttcagtct taccgtggcc gcaaccactg gcgtatctgg 720
 ccctcacagc aacgaaacga agccgg 746

<210> 23977
 <211> 810
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23977
 atgggaaagt cctcgaagga caagcgcgat gcgtactacc gtctcgcgaa ggaacaaaat 60
 tggcgcgccc gatccgcttt taaactcacc caaatcgacg aacaatttga tctattcgag 120
 catgagaatc cggagaaagt gacccgggta gtcgaccttt gcgccgcgcc cggtagttgg 180
 agtcaggtgc tcagccgagt actgatcaaa ggcgagagct ttggccgccg gtcttgggtc 240
 gagaagagac gcaaggaaca ggccggcattg gagaacttag acggagatgc accggcggcg 300
 aaccagggcg cagacattac agactcaact gcattgaagc cgcggaagaa cgtcaaaaatt 360
 gtttctatag acctgcagcc tatggcacc cccaaggca ttacaaccct ccaagccgac 420
 atcactcacc cctccacgat cctctttctc ctacaagccc tagatcccga agcctacgac 480
 tctacatctt ccacgccgca tgcagtcgcg cagccacatc cagtcgacct tgtcatctcc 540
 gatggtgctc ctgacgttac tggctttcac gatttagaca tctacatcca gtcccaactc 600
 ctttattccg cactcaacct agccctaggt gtcctccgac caggaggcaa gttcgttgcc 660
 aagatcttcc gtgaccgcga cgtagatctc ctctattccc agctccggac tgtcttcgag 720
 cgtgtaagcg ttgcgaagcc aaggagtagt cgcgccagtt ctctggaagc ctttatcgtc 780
 tgcgagggtt tcatcccacc agccattcac 810

<210> 23978

<211> 763
 <212> DNA
 <213> Aspergillus nidulans

<400> 23978

```
ccgaaaatgg tacaactggg actctccaga acatacgccc caagagctga agctcattac 60
aaagctggat ctgctcatag tgccttaacg attcacggta tactgggtga aatacatcga 120
cagggaaata ttagcacgct tccctgcacc cctgtggca gacttcccat tagtgacggc 180
ttctaataatg tattacagac aactcatacg tttctagcat ggctacagag ctaggcttcc 240
accgaaacga actcgtccaa tttcaaacaa tcttcacagt aggggaacggc atcgccttac 300
taccattcat gtatcttttc cctggggtgc caatgcacta cctcgttccg gcattagacc 360
tcctctgagg gatcttcaca ttgttgaagt aaccaagtta tgccggaatt tatggcgtat 420
tgattcattg tctctatatt tgaggtaggc aattgcctcg tggccactgt tgaactcgct 480
cgtagacaca accttaagct gagagtcact gtaggcctcc tacttcccag gtgtgcacta 540
tgttctcggc tcctggtaca agaataatga gatcggtcgt cgaggtggcg cattctacat 600
gggtctcgca ctaggctatc tcacaacgag ctttctatag agcgcgacac tcgataatct 660
cgacaggcgt tcacggactt cgccggtgtc gatggctttt catcggaaca cagttattac 720
atttaccctt tgctgtgata gaatgcttct ataccccggt caa 763
```

<210> 23979
 <211> 759
 <212> DNA
 <213> Aspergillus nidulans

<400> 23979

```
taaaccacta cgcgatttgt ctactgatgc gcaggagaag gcgattctgg aggacctatt 60
gtttgttttc atgggggttcg aaggccaata cattcaatac caggctcaat atgaccctac 120
tgcagagaag gacagattga cgggaccggc tttccaactg ccgtctgggc tggatcctac 180
tctgaggggac cttacacggg ccatgttgaa gatggcaaca cattacagtg cgctggaggc 240
gttcgttgag gttcagagtc gtgcagagta cgggtgcagt agccacgccc tatgcgctac 300
gattcgaaaa ttattaaagg actatttgat cctcgttgcc cagctcgaga cacaacttct 360
caacaacccg aatttcaccc tccatgtact ccatcttcat accatgccca ccagccaatg 420
```

tttagctcaa ttgtactctt taggtcagga gctgctgaga cgaaacggtc tcttggatca 480
 ggatattgat gagtcgattg acgactttga cgacgttgat aacattctcg aacagcttag 540
 agaaggagga gatcttattc ctggagcaat gtctagcaaa aaaatatgta aaggaggcaa 600
 tgtactacgc ttactgaccg agcgactggc aactttctcc ggcgatccga cgacaaaagc 660
 gctttagtaa actcttcttc gtgaatcgag caggccctac atgacaatgc tcaatgaatg 720
 gcttcatcat ggggaatcaa agaccttacc agaattttt 759

<210> 23980
 <211> 334
 <212> DNA
 <213> Aspergillus nidulans

<400> 23980
 agaagattct atggtgtcct gggggggata gtacgacttg acaaaattcg cttccagaac 60
 gctcttctat cgaccacacc gaccctcgg gaacattgtc ttgtcggccc gctcccacga 120
 ccctaatact cccttggcag acttctctg gttcgggccc cggtgggacg tcgcttcgaa 180
 cacctttcga ctcccatact tccaccgcaa ttctgcaacc gagttcctgg cgtctatata 240
 cggaatggc ctcgccggtt cggacgagtt ccagcctggc ggcgggagcg tagaggtatc 300
 tcacacgccg catgggaatt tcagcaaaga gtat 334

<210> 23981
 <211> 702
 <212> DNA
 <213> Aspergillus nidulans

<400> 23981
 gcattcgcca tattctccag ttcgagagtt gacgaattgg cttgcgccgc aacaccgttc 60
 tatcgtggcc gccgcgacaa atgagcgcca ggtttcgggt gcgctcagct caggtaagat 120
 agtgacttcc aagctggacg ctgacgggtc actcgctgag tatgatgaac gacgccaaat 180
 gtctggaact gtaacgtgtc tcagtctggg caaggtacca gaagttcgcg tccgaagctc 240
 attcctggct gtcggttggt acgattcgac agtccgcac ctcagcttgg acccgatac 300
 gacgttagaa agcaagtctg ttcaagcgtt gactgctgca ccatccgctc tgaacattat 360
 tgccatggct gactctagct ctggcgggac cactttgtat cttcatatcg gtcttcactc 420

aggcgtctat cttcgaacgg cgcttgacga agtgaccggc gaattatccg acacacgcac 480
 tcggttcctg ggatctaaag ccgtcaaact cttccaggtc tcagtgcag gccagacagc 540
 cgtgcttgcc ctgagctcgc gtccttggct tggctactcc gatacccaaa caaaaggctt 600
 tatgcttacg ccgctggact atgttggact cgagtggggg tggaactttt cgagcgagca 660
 gtgcgtcgag ggtatggtgg gtattcaagg gcagaaccta ag 702

<210> 23982
 <211> 597
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23982

atgcgattga tccaaaatcc cgggaacagt ttattcctac cggtaactg gagaattcca 60
 tgcttcaact cttggactcc gagttcatcg agcatgacgc attcagtttg ttctgctcgg 120
 taatgcaaag caccagagtt tactatgaac acaatacgca tcgatccatg aatggacagg 180
 ctgatgcact tccgattggt cttcgatgtg agcacatcca taacgatcta cttgtggcga 240
 cagacctaga gtcgccgac catctacaag cgctcgaaat tttgccgcag atctttttaa 300
 cgtgagtctt actcttatca tctcatggcg aatacgcttg ttgactcgcc gtttaagtgc 360
 atggatgcgt cttctgtttg ggcgcgagtt tcccttccaa gacatgcttg cgatttggga 420
 tcttctcttc gccgaagggc tccgatccga gctgattgac ttcgtgtgtg tggctatgct 480
 actccgagtc cgttgggagt gtaagtctc ctgcatctct tccagaccta aaaactcata 540
 tgaacagtac tgagctctga ttcatcgagt gctttaaacta cattgcttcg ttatccc 597

<210> 23983
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23983

cgacttactc gtggaatcag aagcctatgc gatgatctca caacgaaagt caagcgaaaa 60
 agtacaattc agtagaccac ttcataagga tatggatcta atgttcacca ttgcgaaagc 120
 ctccaatcac ccagagagtc agatctacaa ggacgcggtg taccttcaaa tggaggcaag 180
 aaggcttgca gatctagaga agaaaaaacc ggacagcgat tatctaattg aagacggccg 240

tctaccgctt ccggatggca ttcttcataa gggcgagttg tggaagggtg gggactgggt 300
gcataccag aacccaacg atgtgaccaa gccaatcgtg gcgcaaatat accggacttg 360
gcaggactct gagggcgaga aatggatcaa tgctgtttg tactatcgcc cggagcaaac 420
tgtccatcat ttcgaaaagc acttctaccc taatgaggtg gttaagactg gtcaatatcg 480
tgatcatcga atcaacgaga tagttgaccg gtgcttcgtg atgttcttta cgcggtataa 540
ccgtggaagg cccagagact ttcctctcga caaggagatc tacgtgtgcg aggctcggta 600
caatgaggaa aaacataaac tcaacaagat caaacctgg gccagttgcc ttcccgcga 660
agtacgggag aaggattatg agatggattt atatgatgtt ccacgcagaa taaagaagat 720
accagtcgg atcaagcatc tgctcaaaag tgatgcaaaa gagacagacg acctaccaa 780
accatcctgg ggggcagaaa atgcaccgcc agtggtaggt gcagttcatt gtcgtccgcg 840
cgatgaaaat 850

<210> 23984
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23984
agttgaaggc gccgaataca cagaagccgc gcgcggtaaa cgttgcgggc atatccttcg 60
agctggggag gcaacatata gatgcaacac ttgcggagta gacgagacct gcgtctttgc 120
agtaggtgct ttgattcttc cgatcatacc aaccatcagt accagattta tgtgtcaccg 180
gggaacagcg gctgttgcca ctgcgggaat gaagaggcgt ggcggatccc ccggcactgc 240
gcgattcata cagacaatgg ggaacgtaaa gggaaggagc gcgtacgtgc ccgtctccca 300
gaggattggg tgaataatat caggttgacc atttcccgcg cgcttgatta cttcgccgat 360
gtgatatcgt gctctccgga acaacttcgt ctgccgaaga cagaagaagg gattaggcaa 420
gatgaagtgg cgtctcgtct gcatgccgga tggtacggcg agggagatgc tccagaagag 480
gaaccggaat tcgcactctg cctttggaat gatgagaagc acacgatgca agacgtcact 540
aaccaagtga gccgagcctg ccgggaaagg actagctatg ggaaggcgaa agcccacgaa 600
acgaacgata ttgggagaag cgttgtcaaa tatgggaaag acctcaaac actgttaggg 660
gtgtcgaaga tcattgaaca aatcaagatc accactacaa tccgatcctc ccgcgacacg 720

ttccgtgagc agatgtgcgg aactattggt gaatggctgg cggatatcgc cgggtgtagt 780
 atcctcgatg acaaccagat actccgtcag ctagtctgtg aggagctcct gggaccctgg 840
 agacgcggca 850

<210> 23985
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23985

cccacggtgt cttcttagca aattcgaatg gtatggacat caaaatcaat aagacactgg 60
 atggcaagca gtatcttgag tacaatatac tgggaggcgt acttgatttc tatttcttca 120
 ccggttcgac tccaaggaa gctagtaccc agtacgcgaa agttgttggg cttccagcca 180
 tgcagagcta ctggaccttt ggtgtatgtt ttctctccg acgcgcatcc gggcatcttt 240
 atagctggga tgaattttgc cgctgaccag acatagtttc atcaatgcaa gtacggttat 300
 agagatgttt atgaagtggc tgaagtgggt tataattata gccaagctgg aatcccacta 360
 gagaccatgt ggaccgacat tgactatatg gagctgagaa gagtgttcac cctcgacccg 420
 gaaagattcc cacttggcaa aatgcgggag cttgtggatt accttcata ccataatcag 480
 cattatattg tcatggttga tcccgccgta agcacgagt gtaagcctcc atgaggatta 540
 cccggaaacc atcattgaca tgtgttagac aaccggggt atcggagggg agttgagcag 600
 gatatatcc tcaagacgca gaacggtagt ctgtacaaag gtacacaagc caatctatgg 660
 cggtcagtgt ttattgacat aaagagagag ctaactcatg tccaggtgct gtgtggcctg 720
 gtgtaactgt ctaccctgat tggttccatc cagccattca agactattgg aacggggagt 780
 tcaataagtt ctccgatcct gaagccggtg tcgacattga cggcctgtgg atcgacatga 840
 acgaggccgc 850

<210> 23986
 <211> 598
 <212> DNA
 <213> Aspergillus nidulans

<400> 23986

atggatctca accgaacagc gctgcaagag ttcacgccc agccggtctc gcgggacatg 60

gttgcttacc tggcccagca ggctgcaactg gtcacccggt gcgagtctca tgtgacaaca 120
 actgcttcca cacaaactgt gcatggccag catacacctc ccagcactcc gccgatggat 180
 gctgctgac agcagctccc aagggtgccc tgggtcgaag ccttcattac ctccctggtc 240
 actcgctccc aggtccaggt gccgacgctc atgacaaccc tcgtctacct cgctcgctctg 300
 cgtgcccgcc tacccccagt tgcaaagggg atgcgctgca ccgtccaccg catcttcggt 360
 gcctcgctca tcttgggggc caagaacctg aacgactcga gccctaaaaa caagcactgg 420
 gcccgataca cagtcgttaa gggctacgag ggctttagct tctccctccg ggagatcaac 480
 ctgatggagc gccagctttt attcctgctg gactgggaca cccgcgtcac tgaagcagac 540
 ctctttctgc acttgagacc attctcgccc ccgatccgtc atcgtctcca gcaccgaa 598

<210> 23987
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23987

tgcattgcta ctattgcagt tattaccacg tggtcagact acatgattgg tgtcttcaag 60
 ctgaatcacc gtgaggtgta ttccattgct gacgccgttg ggcttatggt tggacgagtt 120
 ggaaggctgt tctttagggg cgcattcgtg ctttgtatgc tacatatcca tccttaatgt 180
 atctctgcat agtgtagacc gctgactgat tgcagattg gatcttcggt gccggctccg 240
 gaatgctagg catatcaatc gggctgaacg ccgtctcgac gtacggcgca tgcaccgcca 300
 ttttcgtcgt cgttgcagca attatcggat ttgtctttga aagtataagg accctaggca 360
 gattgggctt tcttgcttgg ataggattgt cttgtatcct tactgccagt acgctccctg 420
 tcacatcccc ttctagccct agatagacct gacatcccat tctttaccgt cactatcgcc 480
 gttggcgctc agaaatgccc ctgagaagca ccgcgcacct ctggccccctg atccggcccc 540
 tggcccttcg actacaagct cgtcagcaat tcctccttca ctgaggcgat cacggctgtc 600
 tcgtcgctga tcttcgcata ctgcggcatg cccgccttat tcgcaattgt ttctgagatg 660
 cgtgatccaa tatactacac ccgcagtctg atgatcagcc tgtctgggtg tacagcagtc 720
 tacatcacca tcggtacggg agtgactat tgttgcgga gctatgtggc atccccggct 780
 ttgggctctg caggaccgac ggtcaagaaa accgcgtacg gatttgcgtt gcctggggtg 840

850

<400>	23988
-------	-------

<400> 23989

26008

cggacagtct ggcgtatacc tgctcggcgc tgagcttcat gctgcagaac ctcggaagc 420
 cggtgatcct cacaggagcc caggctccga tgctggagct acagaacgac gctacagata 480
 acctactcgg gtcactgggt gtggctggcc atttcatgat tccagaggtc tgtctgtact 540
 tcaacaacaa gctgtttcgt g 561

<210> 23990
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23990

agtttggtt ccggtatccc ggcagcccgg gtgatacgtc cgctgctcgc gtaaatecgt 60
 tcattgatgc acagggtagg ggagaagaag gccactggaa cattgcccga aaggttgcat 120
 cggagggcat cgttctgggt aagaacgtcg gtggcgtctt gcctctgtct cgttcaccta 180
 gggccaacgc tgagaggcct tatcgggttg gcgtatacgg ggacgatggc ggtcccgcgc 240
 ctggtcccaa catctgcacc gaccgagggt gcaactcagg gactctagca atgggctggg 300
 gtagtggcac cgtcgaattc ccatacctaa tcagcccgat cgatgccttg cagggcgcat 360
 ggcaaagcga tggtcagatg acgccgtatt tacgaaatgc ggtgatgcct gcagacacgt 420
 cggacaagga tctctgcctc gtcttcgtca acgctgactc cggcgaaggc tatactctccg 480
 ctggcggtat ccacggggac cgcaacaact tggtcctcca aaagggtggg gatactcttg 540
 tccataccgt cgccaccaac tgcggcgggt caaccgtcgt ggtcgtgcac gccgttggtc 600
 ccgtcattgt tgaaccctgg attgacctcc ccggagtcca agccgtactc ttcgcccacc 660
 ttctggaga agaaagcggc aacgcccttc tggacgtcct attcgggtgat gttgacgcca 720
 gcggccgcct ccctataacc gtcggcaaaa gccttgaaga ctacggtccc ggcgcgcaag 780
 ttctgtacga acccaacgcc cccgtcccgc aggtcgactt ctccgacgct ctttacatcg 840
 accaccgtta 850

<210> 23991
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23991

tccagtacgg aaagtgcagg agccagcatc tatattcaaa gctgaaagcg ctggcgcagc 60
 ttacgtcgcc cccccgaag tctacggcga tgaaccacgc agagctatca gcgagtttgt 120
 tgtatcaagc gagactacaa gcagcgaaaag aacggatgga aaggatagag gagcttcgag 180
 ctaagggtat tgtcattgag acagccgctg agcgcgctgc atttgaagac gaggtagaga 240
 atcttgttga gaaagcaaga caggaagggtg aggcaattgc aaaacaggaa cgagcggcag 300
 ctaaaaaggc gaacgggtgag gatgaggacg atgaggagga tattgatttt gaactatctg 360
 gatcggagga tgaggggtgcg ggtgacgcag acccggaggg agaaggggaac gaagaagacg 420
 aagacgaaga agatgaggag gacgaggagg acgaggatga agaggatgaa gaggatgaag 480
 atacggagga taaggccgag 500

<210> 23992
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23992
 ccttaagaaa caaatgtct tccccccacg ttccgcccgc cggcattctg gttccagccg 60
 tgacccccct cgatcacaca gccgatacca tcgacatcga atctttcaag aaatactgcg 120
 cctacttata atcccatcta actggcctcg tatactcggc acaaacgccg aagcattcct 180
 gctcacccgc gacaaacgat tcgcgggccat aaaggccgcc cgcgaagccg tcggcccccg 240
 gtatcccatt atggcaggcg ttggtgcaca ctcaacaaag caagtccttg aacttgcgaa 300
 tgacgcttca gaagcagggg cgaattacct cttggtccta ccgccagcat attttggcaa 360
 gcgacaactc ctgcagtggg taagaggttc tttgcggata ttgcggcaaa ggcactgcac 420
 ccagttgtgg tctacaactt tccaggtgcc acaaatgggg tggatattga ctcagaaaca 480
 attgctgata ttgtgagaac 500

<210> 23993
 <211> 687
 <212> DNA
 <213> Aspergillus nidulans

<400> 23993
 gaggcattat ggtgccacgg gctcggccct ctgtcaaggc tggggtgaaa tccaagaaag 60

ataccagtgc ttatgtacgg ggtctggaga aaaagacacc gcaggaacaa atggatggct 120
 gcgatttttc cggatggatg aagaagcggg cctcaaacct gatggcaact tggaagcccc 180
 ggctgtttgt gttgcgtggc cgtcgctttt cataactacta ctcggaaagc gatattgagg 240
 agcgaggctt aatcgatata acagctcatt gagttctccg agcagacaat gacccaatcg 300
 ttgcgttaca tgccacgata acggggcgaa cagtctcccc tacatcacct gcaggtagcg 360
 ttccggccgg taatggctcg gtttcagaga acggctcgac atcggaatcc aggcgcggat 420
 cgcgctcgga caaggagggc cggttcttct tcaagcttat cccgccaaag acaactcgta 480
 cggtgcaatt tacgaaaccc gcgggtccatt acttccaggt tgatagtgtt caagaaggctc 540
 gcaagtggat ggccgcgttg atgaaggcga cgatcgagcg agacatccat cttccggttg 600
 agacaacaaa caagcagaga actatcagtc ttaaggaggc ccagatgagt aaccagcgac 660
 ctccggcctt gatgcccga ggtcaga 687

<210> 23994
 <211> 676
 <212> DNA
 <213> Aspergillus nidulans

<400> 23994

ggcgccctgc aaagtctgac agtgaaagag ctgtgcagaa agccttggtt gagtttctgc 60
 aagtgcctgc tgaggggatt aatatggatg attctattta cgacttggtt gtgagctcgt 120
 tgaatctgat attgctgagg tctacgcttc agaggatgct agacccaag atcgatatcc 180
 cattgtctat catattgaat aagtgagatc ccacattccc ttcaaagacc aaatacaaac 240
 tgttcgtaa tggctccgca gtccgacccc tggagcaatc gcaaggtcga ttgactcatc 300
 ccgctctagt ttagctggat acaatgcgat cgtgccactg cagcaacaca gacacggtgg 360
 tacaccgttg ttctgcatcc accctggaag cggcgaagtt ctggtattcg ttgcccttgc 420
 tgcacacttc ccgacgcggc ccgtgtacgc gctgcgtact cgaggttatg gctcaaacga 480
 gcaattattc ggctccatcg aggaaactgt ggagacgtat gcaacacaga ttcgccaagt 540
 tcagccgat ggtccgtatg caatcgagg gtactccttg ggatccacac tggcctttga 600
 agtagccaaa gtgctggaag cgcagggaga ggaggtaaat ttctggcgag cattgactat 660
 ccgccgcata ttgccc 676

<210> 23995
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23995

```

atcacacccg atctcagtcg agatgggggc agtttcccat aaaagtttca aggattttgc 60
agatggtgca tcttctgagg tgcttgattg ctccaaggga cgggcaacgt tatcggacag 120
ggagcccatt cttcatcaag attttgtctt actcgtcctg tgtaattctc gcgaactttc 180
gcagtcacag gctattgctg tggcgccacat ggtcagcccg ctcaactccac gattgccgtc 240
accatccatc ccggggatat attgcgtcaa aatgtctacg tggaggattt tgtcggcgaa 300
attatcttca tggcggatcg atcagggctg atggagtcca agatctcctc tcttatcaat 360
gtcatgaata tatttatacg gagtctccct gaagcatgtt cgttcaacat cgcctccttt 420
ggttccgaag tcacgtggtt atggccttgt tcgaagagat acagccaaga aaacttggac 480
gttgctcga aacacgtgga ttcattccgg gcaaactacg gtggtacgaa tatttattgc 540
gcactggaga gtgttctgga tcatttcaac aagcaggatg acgtaccaac caatgtgatt 600
ttgttgactg acggcgaggt ttgggatgtc gacaatgtga tacaactagt gcgcagaacg 660
gtctcaatga atggatcgaa tattagattt ttctccttag gaattggaga tcgagtctca 720
catcgcctgg tcgagggcat agggctgcaa ggagccggat atgcagaggt tgtgccagag 780
accacgatgg gttcgtggca ggaaagagtg atacaaatgt taaggcggcg ttgtcaccat 840
cagcctcagt                                     850
  
```

<210> 23996
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23996

```

aatccgacca ttgagcgtgt gcaagcgtcc acgtccattc atacggccaa ccagaaagca 60
agaggaaaca acggcctggt gaaagtaggc tcaaaacagc tcttctacca atttcagggt 120
cagaaggacg gcactcctgt tattttcatc cacggcctcg gcggctcatc ctctactttt 180
acgccgctgc ttgataaact ctcaactacg cagccctcc accttacaga cctcgaaggt 240
  
```


cacggcctct cgcctacgtc cgcactcagc agtcttaciaa tctcatcggt tgccggcgac 300
atccgcgatg tatacattct tgccgcagga tcaaacccaa aaccagcaac cgtgatcgct 360
cattcaatgg gctgcctcat cgcgctcaaa cttgctctcg aaaacctcaa cctcgtcagc 420
aacctcggtc tcctcggccc gcctccctct cctctccctg aagccggaag caacggaagc 480
ttcgtcgcg ctgaaacagt 500

<210> 23997
<211> 600
<212> DNA
<213> Aspergillus nidulans

<400> 23997

cccggttcac acatttctcc tgccagacgc agcagataaa acaagcttca caatgggaag 60
aactggcccc ggagtttgac agtataaatg aaagttcagc tgcaggtacc tgggtggcttg 120
acgtccacga tgccacagaa acagacgtgg ccgctgtggc tgcaggttc tctatccacc 180
ctctaacggt cgaggacatc gccctgcagg aaccgcgcca gaagattgag acattcccgg 240
gctactatct catctcggtt cggactttga catcgccgct tgacgatgat aatgcagagc 300
caaagcagca agagcatctt cctccgacgc cttctggtat gacgatgctc tacatcttgg 360
tgttcagtga gggcacagtg accttttccg ccggtggatg cgagcacgca tctcgcgttc 420
gaagtcgaat ctcgagactc catgatccgt ccgtgctctc aagtgactgg atctgctacg 480
cgatgttgta cgttttccgc actccatctg gccatcttcc ccaacctgca cactccaact 540
tcaatctcct ttgaattatg tatatactga cactctacag tgacgacgta atcgacagct 600

<210> 23998
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23998

ccaacaacct cgtggactac ggcgagaagt accgcggtat gcagtctgtg gttctgcatg 60
agctggaagc attcgccgat atcacgctgt ccacggagaa gagtggcacc tggactattc 120
cgccttactt tategacagc gtcgcgcatc tcgctgggtt cgtgatgaat gtgtccgacg 180
ctattgatac caaggccaac tactgctgta ctccgggatg gaagtctctg cgattcgcca 240

aaccgcttgt agcaggtgcc aaataccggt catacgtcaa gatgattcag accgaagagg 300
atcctactgt ttacctcggc gatgtataca ttatgcaaga cggggcgatc attgggatgt 360
gtggtggaat ccagttccgg cggtatccac gcacacctgt taatagggtt ttcacggcac 420
cggaagaggc aggagccatt tcgcatgccg ccgcttcgag tacgccagcc cccagaacca 480
aacccgagcc tgttccagtc gctaccccggt ctactgcagc tgcaccagtt gccagttctc 540
ctgcagcacc ggcgtcagtt actccagccc ctgctccggc cctgtctcct ggccctacac 600
ctgcagctgc accagccgcc gctggtgaga gcgacagcgt agcagccaaa gctcttgtgc 660
ttattgcaa agaagctgcg ctggagcttt cggatctcac ggacgatgcc tcgtttgcca 720
acctcgggggt tgacagcttg atgagcctgg tgatagcaga gaagtttcgg gaggagctgg 780
gggtcacggt gactggtagt ttgttctggt agtatcctac catcggcgat ctgcgaagct 840
ggctattaga 850

<210> 23999
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23999

cagactcggc gcgtcgaatc cttaggacac tcagtagaag tggacaaatg cacgccacgc 60
agtttacta tgccctcgtc ttgtacggct atgtcaaaga tcgcaatcgt gacatggtag 120
acgtcatctt ccgtgagatc caggagcgat tcggacacca tgagccaggc acgcagcttc 180
ttttcctgag gtctcaactg caacgggatc tgcattctat tgcccaggct caggcggaag 240
aagctggaat ggactcaaca gaagttcatt tcgtgcatgc agagaagctc ctggccgaaa 300
tcacgagga ttctgaccaa gcgagattag tgaaaacagc cccaataccc ggtgttagca 360
ggttgccagt tgctgaagct ttcccgtcga gctattacga gcctcttatg accgagtacg 420
caaagaaggg taatcttgac aggggttaagc agctgttcag cgagtatgca aaagcccgga 480
ggcagtcgat tgaggatgct caagctagag ctccactcag tctccttaca agtttaatgc 540
tggttattt gaaggcagac caactcgaag aagtggatga atgctggaaa ttagctcatc 600
gccgagcgcg gagcctggca agcccataag cgagcgatta tggaaaccgc aagaacttcc 660
ggcgactacc aaacgaccac cctactacc agcgtaccgt ttcgaaactt ctcgaccctt 720

gtctttatat atgagatcac ttgcttatcg gaaaagattt aaagaaatag acgaagtagt 780
 agcacaagtt gagaaggatg ggttctgcct gtcgactttc aattgggtcta cgtacgtgca 840
 gatgtttgcg 850

<210> 24000
 <211> 609
 <212> DNA
 <213> Aspergillus nidulans

<400> 24000

gcctctaacc tcccattcac ctgcgccctt gtcactggcg gcggcggcgg catcggcaaa 60
 gcgttctcag cctatttgat ctccaaaggc gtcaaagtca tcatcgctgg ccggacagaa 120
 tcaaattctcc agtcgacagc acgcgaaatc ggggcagcag catactatgt gctggataca 180
 ggcaggactg atacaatccc ccaatttata tcgagcgtaa caagggagca tcccagactg 240
 gattgcctta tgaacaatgc aggcgtgcaa cggccgttgg aagtattcaa gacccaacc 300
 gaggagtatc tccaaaaagc agaccaggaa atcgatatca atatccgggg cccaatgcat 360
 ctaaccctcg ggctactcga gcatttcaag acgaagccgt cggcggctat tatcaacggt 420
 tcctcggtgc taggtttcat acccttctcg gtgattaacc cggtttataa tgggaccaag 480
 gcgtggctac atttttggac ggtgactctg aggacacaga ttgagtgggc ggggctaaag 540
 gatcggatca aagtgattga gattgcgccg ccgagcgtgg agacggacct gcatcgtaaa 600
 gggagaatc 609

<210> 24001
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 24001

gcatttgagt ggaagcttgg ttgcatatat cggactggcc ttattgaaca gcgtcagcgc 60
 cgcgctagag aggatgcgtt tcacctcaaa ctccagaagc tcaaggaatc tgaccaaagg 120
 cgagcttctt cgaggttgcg tactcgatcc agccaccgaa cactgcgcag cgagcgggtc 180
 agttcagact ctgcaggag caagagcgcg gatccaaagc cgagaaacga tagagcagag 240
 gagaaagagg aaaagcgcgg gcgtgcacat agattccgct acgataccga aggagcgtcg 300

tctttttcca acgaagcgaa ggtatcgctg gaaagtgctt ggtattggct ccagcactat 360
aatgcgcgca gctggaaagc caagatcgat gcggctctac agtttcaaaa ctctacaatc 420
agagagggttc gaaatctttt tgagggtgct gacgatcctc cagaagatgt gcaagaaacc 480
gagacagtgc tggctattcc aaatagacct gctctcatgg cagctctaata tagcgacata 540
aatctgacca tcgataaacc cacatttctt tcggaaaact accctctttt cctccataat 600
attggcaaag gcatgccgat gtctacgaag tatgcgttac tgattccgat gagcattcaa 660
ctggacatgg gtgaggctcg cgtcaacctg agagactacc ccttggattt gctgcacata 720
ccagggctac ggcttgaca atcacctagg cttcctagct ggtcactccg aaccaatttt 780
ggaattgcag aggaatatcg tgattacaag tcgtccagaa aagtcaatgt ggaacttgac 840
ccgacaccta 850

<210> 24002
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 24002

ccccggtcct caagcgacaa accatcgca accggaaaaa aaggcgagag gggcgcaggg 60
aagatgcagt gcagacggcg agtaagctac ttgctgtgca gttgcaacgc acagccgagc 120
aagaatcagc taagcgcagg agccggaggc aggagaacga ggaagacgtt ccagataatc 180
cgggtgtacgt tgaggagacg ttcattgacag acaagcaaaa acaacagtcg cggactttca 240
agaagaaaga tgcctatcat ttaccggata tgcaggtctc gcttcaagaa atgggagccc 300
cgaatgatcc gcgtattatg tcgcaagaag agctagaaga gtatgcgcgc cagtttcacc 360
aggggtgaaga catcaatctt tacgatttct ccaaaatcga ctttgatagt cttttctttc 420
tcagcttacc cgctactgat cgctacaaca tcttgaatgc cgcgagactt cgcagtcggc 480
tgcgatggg atactccaaa gaacagctgg atacgatgtt ccctgaccgg atggccttct 540
ccaaattcca gatcgagcgt gtgaaggaac gaaatgatct gaccagcgt ctcatgaaca 600
ttaacggtat gaacggagat gaggcttttt ataaatccgg tcagaggatt gcaggtgagc 660
gtggcaagga atacgtgctc gtacaagaca actctgtcga aggcggctgg gtattaggtg 720
ttgtaggtaa caaggaaggt ggtcgggaag aaaagcctat cgacgttgac cgatattttc 780

atcatgaaat cacaccggag cccgaggctt cggaggatga agggggcttc gaggatgtgc 840
ccatcgaggg 850

<210> 24003
<211> 376
<212> DNA
<213> Aspergillus nidulans

<400> 24003
ccgcattctc gctgtaatgg tcccgcgcgc ccctctctcc agagatttag cagatgcaat 60
cgccttgctc tgatggatcc cagtccgaca atgccggatg gcgaaagtcg actgcgcgctc 120
ctgcgtgcct gtgaccgttg ctctcagtc aagcagcgt gtgatggccg acgtccatgg 180
tacgtcccat cccatctcag tcccaaagt ccccgaggct aatagcgccc agccagcgat 240
gcacggggtg gtggcttttg accccgcact ggcttgaaat ctggcgtcta ggcgactaac 300
ttgaattcgc cagagagaaa cacctcgtgt cattatgaga agctcgtccg aaaacgaggt 360
cggcgccgctc gaacga 376

<210> 24004
<211> 473
<212> DNA
<213> Aspergillus nidulans

<400> 24004
tgtctacgat tactgcccta gggacagaga caggccttcc tttctcaata gagaaaacag 60
agatacaaca cttctctaga aagcagcagc agcatctccc cacagtcact ctacctggta 120
taggggggat tacaccatcc ctatatacac gttggtagg agttcttctg gatacaaagc 180
ttacttttaa agcccacatt aatttgggtc ttagccacgg gaaacgactc gccagcacc 240
taaagagact tagcaatacc cagcgcggct gccagtggc cttcatgcgg gcagcagtta 300
tacagtatgt tcttccaaca gctctgtacg gggcagaagt cttctataca ggcaaacaac 360
aaaaaggggt agttaactcc ctgctttctc tcttcgcac agcagccctg gctattatcc 420
cagcctacaa gaccaccct actgcagcac tctccgcga agcagaccta cca 473

<210> 24005
<211> 380
<212> DNA

<213> Aspergillus nidulans

<400> 24005

cggggctgga acggggggggg tgcactgagg ttgtcctgga ggcactcaga gagcaagatg 60
cacctggccc gcactatcgt tgtgccagct acgacttcac cgacatttcg tcaggtttct 120
tcgaagctgc cagtgaagaga ttcaaagaag caggtgatgt gatggaattc aaaaagctga 180
atattgaaga agaccgcgctg gggcagggat tcgagagcaa cagctatgat cttgtgattg 240
ccagtcaggt cttgcatgca actaaaaata tcaatcgac actggcaa atgacagaaagc 300
tgctgcgtcc gggaggaaag ctctctctgg tggaaatcac tcgggatgag atcgacctgc 360
agctgatatt tggaacttta 380

<210> 24006

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 24006

cccatcatcc tccgtaagcc cgaccaacca agctgccc aa ttgagcaggt ccagtaacta 60
acagcaacag cattcaaact caccgaccaa gaagtaacag acttctacgc ccgctcaaaa 120
agctcgccca tcccaggcgt acccagcttc gaccccaaac gagtcgtcga cgggcagcgc 180
aaaatcactg tctacaagca attgcctacg acgagcgcag gacggaaatt tgagctccgt 240
aacaaggctg ttgggggtcta cgacaagggg aaggcctctg tcgtggagac agagcagaca 300
attgtcgata aggagagcgg agaggtctat gccagtgttg ttggcagcgc cttttatggt 360
ggacaagggg gctggggcgg gccgaagggt gagcaccac tccaccaggt gaaagtttcc 420
atttagagag aaggtgactg acgattattg ccatttgtgt cgcaggacct gcaaccccc 480
actatcccc tccaaggac cgcagaccag atgctgtgcg cgagatccag acaaccactg 540
aaacagccca gctgtaccgg taagtcacac ctgccttctc accctggacc atcaaccgat 600
cactaaccat gttcatctag tctgaatggc gactacaacc cgctccacgc aaccctgag 660
cccggccaga agatgggctt cggcggcatc attatccacg gcctgtacag ctggaacgcc 720
gctgcgcata ttgtactcga ggcgttttgt aacagcgatc cagccaactt tagagagttc 780
caggcgcggt ttgcgtcacc ggttaagccc ggatgataag ctctactg aactgtggcg 840

aactgggaag

850

<210> 24007

<211> 637

<212> DNA

<213> *Aspergillus nidulans*

<400> 24007

gctgctgtca atcgagctct ctggcaggat gaagctggca ttgcaggtgt tatccgggaa 60

aatgcggtcc ctacgactgt tgccgacaac gaaatcctgg tcaaggtgaa cgcacgggca 120

atgaaccgga cggatgctat acttcaggac gcggctcttc ccgccgttaa gtatccactc 180

atcctgggga agacgttgct ggcactgttg agaaagttgg ctccgaagcc acgggcaagc 240

tcaaagttgg cgatcgctc ttaggccttg cccttgagc tgctgtgttc aagaccgagc 300

aaggcgctt ccaggagtac gtgattctgg actataacct ggcatgcaaa atcccagact 360

ccctctcttt cgccgaggcg tctgttttcc ccctatgcat cgccactgcc gcatacggcc 420

tattctcgaa ggattatctt ggctgcccgt tgcctaagat caacccacc agtactggaa 480

agtcattct tatctgggga ggaagctctg gagtcggtag caatgcgatt cagctgagca 540

aggcgccgga ttctgaggtg atcaccacat gctctgcaca taacttcgat tatgtgaagc 600

gtctcgccgc ggacaaggtc ttcgattata aagaccc 637

<210> 24008

<211> 567

<212> DNA

<213> *Aspergillus nidulans*

<400> 24008

agggggaagc catgccgccc cgggcaggtg acaataccta aacgggggtc gaaaaaacac 60

tcaagaccag tgtctaggcc cttgggcagc ctcaaggtct acaagaacct ggtgggcagt 120

gctgctgcag gggctctggc agggttcaag gccagccgc acaatgttgt cacgcgaatt 180

tatcttgcca ctggtcagga tcccgcacag aatgtgcata gcagcaaacac tctgaccgtg 240

atgaaaaagt gactacactg cctctaaaga tattctgata gatgttgagg cgctaactcc 300

cgaacagtgt gaatggtgat ttgcaaactc ctgttttcat gccttcatt gaagtcggca 360

ccgttggggg agggacagtc ctgggcctc aaaaggcaat gctgcacatg atgggcgtcc 420

aaggggccga ccccgaacag ccaggtagaa acgcacagga gctggccctg ctggtggcgg 480
 ctggcggtgct ggctggagag ctcagtcttt gctctgctct gtcagcgggc tcgttgggtga 540
 aaagccactt gaccataat cggaaga 567

<210> 24009
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 24009
 cgagcggat aaccgcgcac acgagtacat ggatgtccta tataaactgt gggaggggag 60
 tttccgggat gatgccgtgg tgaaggatcg cgagtcgggc gtgtacattg ccccgacgc 120
 agtgcgacag atccaccacg tgggcaagta cttcaaagta cccggaccgc acttttgca 180
 gccctacca cagcgcacac cgtttctgtt ccaggcgggt gtgagcgagg ccgggaacgg 240
 gtttgggtggc aagcacgggg aggcgatctt cgtcgcgggc cagacgcccg aggggtgtgcg 300
 aagcacggtc gagagtatcc gccgggttgc ggcgagcgag gggcgggatc caaatcatat 360
 caaggtcatc gtaggcatca cgttgatagt tgctgccacg gacgaggagg catatgcgaa 420
 gcgcgacgag tacctcaagt atgccgatca cgagggcgtc cttgccctat ttggcgggtg 480
 gacggggata gacctgtcca agtacgagga tgacgcggac ttccggtttg cagacgagac 540
 caaagtcgca agtatcgtga agcgggtgggc gtcaacggat cccggcaccg ataatctgcc 600
 ctggacgaag cgccggatcg tcgaattcct cagcgtgggt ggcattcaga caaagattat 660
 cggcagcggc aagaccgttg cagacgagtt ggaacgatgg gtggaaattt ccggagtggg 720
 cgggttcaac ctggcgcata tcacgaaccc gggcagcttt gaggatatca tcgagtttct 780
 cttgccggag ctgcgcactc gagggtcttt caggagaca gttgctaagg agggggccac 840
 ggcgagagag 850

<210> 24010
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24010
 tctgccaccg ggggaagaat ctttacaatg ggctggcttt aatggacggt gcaataagta 60

tgcggatacc tgttattcat tctggaatgc agcaacgctg gatgtaagag cctatgagga 120
 tctaccggat gaagcttttg ctaataactca gctatagatg ctaggcagac tgtcgatggt 180
 tgatgcagag cggaacaggc gatacttgct gcagaagacg cagcatcttg ttggcggttt 240
 tgggaaaagc gtgggagagc taccaggtaa atcaataagt catcgttcta cgtctttcgt 300
 gctgactgac attccggaca gacctactac actcttattt tggaatggtc tcaactcgctt 360
 tccaaggtga acaggggctt gacagtgtcg attctgcgct ttgtgctacc caccggacag 420
 tacggcgttt acacagtctg ccttggtggc aggagaacga atgacctaat cagtctgcct 480
 ctcactcctt tctttaagct 500

<210> 24011
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24011
 gcatttattt ctgtgggaat tctctcggtc tccaacccaa agctacggca aagtacatgg 60
 aagcacactt agatacatgg gcatcgatcg gtgtcaacgg acatttcact aagatcgagg 120
 attctccgct tgacctatgg tgggtgatgg ctgagcaagc ggcaggctcg atgagcaagc 180
 ttgtcggagc agcgccggag gaggttattg caatgggcac gctcacatca aacttgcac 240
 tactccttgc aagcttctac aaaccactg ccactaagca caagatcctg ctagattgga 300
 aagcattccc tagtgatcac gttagtttgc cccaccggac ctttagatct ctcaacacac 360
 attccgccat cataaactaa catgaacttc cagtacgcta tcgagtctca tattgcttgg 420
 cacgatggat tagacccaaa gaagtcctat gttctcattg gcccgatga gggcgagtat 480
 gagatcccca cgcagaaaat cctctcaatc atcgacgagc acgccgatga agctgcccta 540
 attcttcttc cggggatcca gtactacact ggacagtatt ttat 584

<210> 24012
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24012
 attgctaag attactaggt gtcattcatt ccattcatta tcacaggctc atccttgacg 60

aagctcacag tatcaaggta tatctcgttc atcattactg gtttcatgat gctgactcta 120
gcagcaacgt accaccgggg ttgcgcgcgc ctgtttcgca ctttaagtcca actacaaatg 180
gtgtctttct ggcactcctg ttcaaaatcg gattggggaa ttcttctcat tattgcgggtt 240
cttagaggtc cggccatttg cctgctatct ttgtaagcaa tgcaaagcc aggagcttca 300
ctggtcacag gatacagaga agcgggtgcac gaaatgcaag catagggtact gtacagtcct 360
tctactcagt ctacagtcaa atccccatat tgaccgttct atagtggatt cagtcatgta 420
tcagttttca accaggaaat attgaacccg agtaagcaca catacggcaa attctcgttt 480
tggcttgatt aacacatgca gtcacggaac gagacgaccc agaggcgcgg aaggcagcat 540
tggcaaagct gcggctaate acggatagga tcatgctccg acgagtcaaa cgagaccaca 600
cagcctcaat ggaactacct cccaagcggg gagtatgtcc ggagcataga ggatggattg 660
atttctaacc caagtcagtg tcatcataca taacgaattc tttggagaga tcgaacgcga 720
cttttctacc agcatcatga ccaactctac taggcagttc gacacgtacg tgagccaaag 780
tgtaccgatg aacactcacg ctaatatctt tggactcatt atgcaagagc ggcaagttgc 840
gaaccatccc 850

<210> 24013
<211> 802
<212> DNA
<213> *Aspergillus nidulans*

<400> 24013

cagccagaag aggattcaag accgcggaaa cggttgattc gaggaccaa aacccgggtg 60
tccccgatac cgtcaagccc cactcagaac gaaacacctc caaagaagag cttcgggtcgg 120
ctggtccaag ggcgcaggcg cctttcacct acacgatcag agtctcctga ggctcctctt 180
gtgacctccg atgattctga ctctgcattt gatgcgcaag atggcgcgga tctggagacg 240
aaagttcttg gtttctttta cggatgcacc gcaccggctc ttgcggacct agccgcgatt 300
actgaggacc ttgctgagta cataattgca aggcggccat tctcatccct tgatgaagtc 360
cgcgtgattc ctgctccgga aaccgaacaa actgcaacca agactggaag gaaacgcaag 420
gcacccaagc cggtcggaga ccgtatcggt gacaaatgtc ttgatatgtg ggtaggctac 480
gaagccgtgg attcgtagt cgctcgatgc gaggcgctag gaaagccggg tgcgaccgag 540

atgaagaaat ggggagttga catatttggc aagcgagagg gtgaactgga cctagtttcg 600
atggagcctt caggatctca cgactctggt ataggaactc ccgctagtca accatctgat 660
gaagatagtg atggtcctgg gtcaaggctc cgaaaagctc gggttcattc gcagcctgga 720
ataatggctg aggatctcaa aatgaagaat tatcagattg ttggtattaa ctggctgtct 780
ttgctttttg agaatgaact aa 802

<210> 24014
<211> 683
<212> DNA
<213> Aspergillus nidulans

<400> 24014

gtttaattta tatgaccctc atccaattca tcaggggggt tctggattca aaggcaattc 60
tgcgctggag agtattctgg cggccaaaat cctaactggg ttaaggggca aaaaatgctc 120
ctaaccaatg gagcccgtaa tgggtcaacga gctggaaaca agggagcatg taaccgaatg 180
ccattttgaa gtcagctaca aagctggata ccgatctccg gcaatgggac gtcaccctcc 240
tctctgatga aggcgcgcga tctgcccttg acacgcacat gcagttctac ctgtggaagg 300
ggctcatcca gaaaacaacg ctcggcgagc ttggaaaatc cacgcttgaa actgtccagc 360
aatatgcaga cataatggca ggcaagcagc aagaccata cggccgtact gcgtttggga 420
actggacact ctctgatcct cagccggagt cgggtggcata tgtgggcaag gtcacgcccg 480
ttttgcactt cacgatgggc ggtgtcctct ttaacgaaca gggccaggtg cttgaccaga 540
cctggactcc catccggggc ctctgggctg cgggcgaggt cacaggtggg ctgcatgggc 600
agaaccggct ggggtggtcc tcgctgctag agtgtgcggt ttttggccgc attgttgggg 660
atcaggtagc tgcgttttat aac 683

<210> 24015
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 24015

aacaccagcg gcccgcatcc tcaggcacat accaggctcc tccacccccg ccgcaacacc 60
agcccatgat ctgcgccgtg acaccggcct ggcagcacca ccactacttc cctccttctt 120

caaacacacc ctaccagcag aaccacgacc gatatatctg ccgcacctgc gacaaggcgt 180
tctcgcggcc ctcgagtctg cgcattccaca gccatagcca caccggcgag aagcatttcg 240
gtgcacacat gccggatgcg gaaagccttt agtgtacgga gcaacatgaa gcgccatgag 300
ccggcggtgcc ataccgggag ggctgtcgcg atgggtgaac aattgtgtta ctccactcct 360
cgcatacataa caaaaaaaaaa aggaaaaaaaaa atctacacta atcgcttgcct taagcttggt 420
atctgtttca tgcattgatac cctctcatgt tctgttcattg ttcattgcac cgggtgtcacg 480
gggatcaagg aattggaatt 500

<210> 24016
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 24016
ggaagggtgga gcgaaagttc actaagtacg ttgctcttga cctgcatcaa gtactcccaa 60
aaatcaacta gtaaatcttg cctggggaat aacagccccg cgtcatgggc aaggcacctc 120
tgtgtatacc agtcgcatct acctcatcat gatttcgtcc tatttttgcc gttgagccga 180
ctctaatcgc aatattcagc aaatctgcca gcgagtacta cgacccttgt caggatttcg 240
cggaccggag tcttagatgc atgaagcgca accccgatga tagagatatg tgtcacgatt 300
acttccagta tgtatttccc tacgatgttc aaccctatc attacgtcga gctatctgct 360
tttcttggc tatatggtcg taagccatgg aactgcaaag gtcaaggctc acactcggtc 420
tagttcattt gatcctactg acaccgatat tcagagcata tcgcgattgt aaaaagcagt 480
gggtgagtac caatgccgca 500

<210> 24017
<211> 660
<212> DNA
<213> Aspergillus nidulans

<400> 24017
cgtgccatcc gcaacttcct caaggctcgc accagctatg atgtccttcc ttttaagtttc 60
cggctcatcg tcttcgacac cgcttgaca gtgaaagaga gcctaaatat cctcactcag 120
aatgggtacgt ctggcagatg gttcaatcat ttctcaatca gtaatgcacg gccgatactg 180

acgcgcgatc gataggaatt gtttcggcgc cgctatggga ctccaagtcg tccaccttcg 240
 ccggccttct cactacgtcc gattacatca atgtcattca atattacttc caaaatccccg 300
 ccgccttaga taaaatagac caactccgct tggatagcct tcgaggtgcy tgatgtgaaa 360
 ccgtttcact gttatacggt cggaactgac aagtgatata gaggtggaac gggcattgga 420
 tgtegcctccg ccagagacta tctccattga cccagagcga ccgttgtagc aggcgtgccc 480
 gcgtatgctc gagtcccagc ctccaaggat tccgcttggt accaacgata gccagacaga 540
 tcgacatctc gtcctcagcg tcataacca gtatcgtatt ctaaaatacg tggccgtgaa 600
 cgtttagcat acacaaaaat tgcggaagcc gctcggggag ataagactgg gtgccttgaa 660

<210> 24018
 <211> 594
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24018

aagttgaaga agtttcagga gaaacaggca aaggctgcag ccaaaactac gacccccaaa 60
 gccgaaaaga aagcgcccaa ggtcgaaaag gacaagacag cagacgcgta tgatcctaaa 120
 gttattgagg ctggacgata ccaatggtgg gaggaacgcg gccttttcaa gcctgagttc 180
 ggccccgatg gcaagggtcaa gcctgagggc tacttcgtta ttccaatccc ccctcccaac 240
 gttaccggat cgctgcacat gggtcacgct ctcaaaatg cccttcaaga cactatgatt 300
 cgctggcagc ggatgaaggg caagactacc ctgtggctgc ccggaatgga tcacgccggt 360
 atctccactc agagcgtggt tgagaaaatg ctttggaaga aggaaaagaa gacacgccat 420
 gacctgngtc gcaaagcggt tctggaaaga gtctgggatt ggaaacacga gtaccatggc 480
 aatatcngta atgctttgcy aagagtcnga ggctcttttg attggactcg cgaggctttt 540
 acgatggatg acaaattttt cgcagccgta ctgaaacttt gtccgtcttc atga 594

<210> 24019
 <211> 787
 <212> DNA
 <213> Aspergillus nidulans

<400> 24019

acaatcagaa tggtgacgtt ctatctagca gctagcatta ttgtgaccgt cttgttcatg 60

cggcgacttt gctcacctat cgcaaagctc ccaggaccat ggtatgccac gttcaccagc 120
 tgggtactca aataccatga attcacctca aacagacggc tttttatcca cgatctgcac 180
 aaaaaatatg gttctactgt tcgaatagca ccaaataaaa tttcgtttgc gagtttggag 240
 gcgatcaaaag agatttatgg gtccggtggg agcgggttacg acaagacgga gttgtatgat 300
 ttgttccgtc aattcgggat caagtatgac ggagcggaga actgatttgg tgctgagagt 360
 tgctgacccg tctaggacga tgttttcgac tcttgacaag cacagtgtaa gttttgcctg 420
 tcggacccgt cccagcttga tttgctaacc accaacatcc agcacagcca gcgcaaacgc 480
 gaattggcgg atcgttacgc catgagcaat atcctgcgcg aggagcatgt ttccgccatc 540
 gtggaccgtg cgagggcggt cgtatccaga tgtgctgcgt ctgcagagag cgtggatgtc 600
 tatgtatgtt tcccaccgca gagctgacgc gtctttgttg attgcgcctg caggtatggc 660
 tccattgcta cgcaactcgac ggggtcacga acttcatgtt cagtcctggg ggctgcact 720
 cgctcgactc agagcatgac ttcaaaatta tggaggagct cacttatcat cagagtttgc 780
 agagttc 787

<210> 24020
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24020
 tggcaacggg gctcatcagg aaacagtggc gccgtcggac ttacgccagt acgcgaaagt 60
 aagactgtct ctttgcccgg tgggttgcag catatgttga cagtgcagca tgtgtagctg 120
 gccaacggtt cgcaaatact ctatgcgcct ttgatcttcg tcacaaagct gtctattttc 180
 cttctgtacc tgcgcgtggt tgcgtcagcc cggcgaggca tgacatatct atccattcac 240
 ttgctgattt ggttcaatct ggccttctac ttggccaact ttttcttgaa gattttccaa 300
 tgtattccgc gtgctaaaat ctgggactcg aatacttcag gtcactgtat caatattaac 360
 ataccgattc tcgtgacagc tgctatcaat gtggtgtctg atctcctgat gctatgttta 420
 cccattattt gcgtttggcg actgcaaatg tcgattagga ggaagttagg tattttctgct 480
 atatttgctg ctggtatctt 500

<210> 24021
 <211> 670
 <212> DNA
 <213> Aspergillus nidulans

<400> 24021

```
cgtggtatcc aaaaaaatat gcgatcatct tatgccaacc catcctcttt tcgggtttta 60
gatgtcacag cgcgatccct ctataaccat taactgtacg gcttagacga actctatatg 120
ggactatgct atgtccccct tgggtctcggc gcgaccgtag catcaatagc aacaggaaag 180
cttctagact ccaacacccc ggctggcaaa acaactttac gttcctcttc aagaaactcg 240
cgcccggaat ctccacccac ttccccattg aattcgcccc ttacagggtc gcgctccccg 300
tgctgacgct aggcgcattc acaatcatcg cgttcggatg gtgtctcaat tacggcggac 360
atctcgccgc gccacaacc atcctctttc tcatgggtct cacgttgaca ggagcattca 420
acacggtctc aactctgctg gtagatttct atcccagcaa tgcattctgct gctactgcat 480
caaataacct tgtgcgttgt ttacttggtg ctggggctac agcgcttatt gatccaatgt 540
tagaggctat ggggcgggga tgggtgttta ctttcattgc acttgatgat ttgtgtacaa 600
tgccgttact ttgcgtggtg atgcggtggg gtccgcggtg gaggaatgag aggcaggcga 660
agatcgatca 670
```

<210> 24022
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24022

```
agctcatagt gtgctcctcc gggatgccgg cattgccagt gtggtgaatc cgaatcacgt 60
acgaagttcg gccgagctct ccgtaagccg gaaatcgga taccggatta tattcgagaa 120
aacggacaga ggaaaagatt cgttagaacg cttatttaaa ggcaaagagt aatcgattta 180
ctgtctagtc gctatacttc aaaagaaact ggcattcatgc cttcctacac gcttgaacag 240
gtcaaggccc actgcacacc ggatgatatc tggataatcc tgcacaacaa gggtagatat 300
tgctcccata gtcgaggatt tattctctaa ccatgtacag tctacgaggt gaccaagtat 360
ctcgaagacc accctggtgg aagcgccgtc cttattgaag ttgccggggc tgatgccacg 420
gaagcttttg aggagatcgg ccactctgat gaggcgcgcg acagctcgag ccgtattata 480
```

ttggtgattt gccagatcag

500

<210> 24023
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 24023

ggcaatcctt tctgcagtgg agagacggcc aaaggatatt gggctgggtcc tcaactgccgt 60
acaactctac gtgaaccagg gcaataccac ttccgccatc gtgatcttgg agagaaccct 120
tcagcttctc gacgagtcca ttccgagca ggacaaggag atccgcttca accccggttt 180
actcagtgtg cttattgcct tgtacaaacg tgagggccga aagactcaga tcaaagccga 240
attggccaaa gctgcgacgt tctggagtgg ccaagctgcc cagccaacgt cactgctccg 300
ggcagcgga cgtctcttct gcaactcttca cttgcatcgg atacatccca ggccgcggtg 360
ttgttcaaat ctctgtatga gaagacgcca gacgatctct tcgctgttgc cggctacgta 420
gcctcacatg cagccattga ttactcccaa gtcgaagcgc aagcaaaata tctcccatcc 480
gttgacgacc tgatctcaga tattgacgtt gccgctctcg aaactgcagg tgttgccccg 540
tcactctcta ccaactgccgc tgctgccgca gcgatcgagg gagcgaggaa gcggcctgct 600
cccactaagg accgtgtcgc gaagcgagtt cgaaagtccc gactccccaa agattatgat 660
ccgagcaaga cagccgaccc ggaacgttgg ctgccgtac gtgaccggtc aacctaccga 720
cctagagggg ggaaaggtaa gcagcgggct gcagagcgta cgcaaggagg ggtggtcagt 780
gagaaatctg aagagactac gctctctggg cagcagcagc agcaaaagcc ccaaaccggg 840
ggctctagtc 850

<210> 24024
<211> 544
<212> DNA
<213> Aspergillus nidulans

<400> 24024

cgcgataacc cgctcggcat gacacccgag ttctggcctc cctatatcca cgaagcgagc 60
tttattcctt ggatagatgt ttacttcgat cgtctccatc caactctccc agttctaaat 120
cgatccttac tctttactca aatcattcag caagaacatc gccgcaaccc ccagtttggg 180

gctatgattc tgtctctttg tgccttctcc ttgacacaac cgatagatat cagtgaacga	240
ccgacctctt catcacggtc tgatcaggca aagatcctgg tccacgaagc aacaagaatg	300
cgcacatctt ctgatttttg cgagcaccca tcaatagaag ctgttttaac tagtttcttc	360
ttgttcgggt accttttcgg gagtaaccag cacaatgcag caagactccg gctgcgagag	420
gcaatcgatc tagcctcgac actgggcctg aataatccag ccacttacgc ggattgctca	480
gcagaggaaa aagggcagtg gctacggaca tatttagttc tatctgtgac agaaaggtat	540
atat	544

<210> 24025
 <211> 805
 <212> DNA
 <213> Aspergillus nidulans

accatgccat attccaccca aactgtaacc cgtgcccgcga tactagtcaa aagcattgcc	60
gcagagggtga agtctggata tggtttcagc tccatggccg tatctatcta cgacactgcc	120
tggctagcat gattcgcaag gaatccgaat ggctattccc cgaaagtttc acattcctgc	180
tagaacagca aggacaggat ggaggacgga tcttctggac caatccacca gaaccacgcc	240
ttaccggca ttcctatgga ttcccgaatg tattgtttac tccctcgctg ggctgcttgc	300
actttgtcga cataccagat tcgctgctaa cgccggcaga gaggagctgc cgacggatag	360
ctgggtccgaa ttcctctcgc aaaatcattt ttagaagaaa actggcgcac tcaacattgg	420
atgggatcac tcaattaggg tttgaactga tcgtccctgt ttctcttcgc ctgctacaac	480
atgaagggat gcgtttcgcc tttccagcga agaaggagct gcttcaaatag ttcgaaaagc	540
gctgagtgag atatgacctg gctctacgac aatggggctt gcaagatacc attattttgt	600
cttgaggcca tccttggaag agtcgacttc agtcggctat catacttggg acatccacca	660
ctggagttac ggcatcacct gcatcaacag ctgcatacct cattcattca ggactatgga	720
gccgagaagg cgaagcatat ctacgccacg taatcagtaa gacgagaaga cggcactgtg	780
ggagaataat tttcctcggc aatat	805

<210> 24026
 <211> 500

<212> DNA
 <213> Aspergillus nidulans

<400> 24026

```
gccgtgtcta tgggcaagtg ccaccagatt ttccgcataa attaggggaa acttcgaaag   60
ggtactcctg agcaactttt taacggggat ggtacctgca cgccaaaggg aaatcgttta  120
cgttccttag gcatttcggg tatcgctaca accctcggat tctccgggtt gccaccctca  180
cctacgttct ctatgcattc gacaatttgc gacggaaccg gcgaaagtct acctttctga  240
tccctatgcg gatatacgaa gacattacgc caccgaccg tggctctgata ccggcaacaa  300
cgtcgacggt tgtatcaagc agttctatct tttgaagcaa cggaatcata acctggaggt  360
cctgctctct atcgaaggct ggaaatactc cacgaactac gcacagtcag caagcagaat  420
agtggacgga aacaatttgc gcagacagct gtcaagctgc ccaagaccta gggctggacg  480
gcttggacaa cgactggaag                                         500
```

<210> 24027
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24027

```
aacaaaacat tcatccaatg cccagcaaca acctccaggc aggataagca gttagtgttt   60
tcaaggacgc tggggccgtc accagtcagg cgaggtaagt agttgtgcca aaagggtgtt  120
tcgatgtcgg aatcctcgaa cgacatccct atacctcgca gacattctcc ccgcttggtc  180
taagctcgga tgacaaaagc gcgtactacc tagtcatcgt ggcgccaaca ctacttggcc  240
aaaccgccac ggcacggaca gaagctggag agagtgtatc tattcgtgat ccaccgaatc  300
tgagtaaact cagggcattt gtggcgagtg gggagcacgc cgttacgtat gggcctggga  360
cctggcatgc gccaatggta gttgtgggtg aatgtaaggt ggattttgtg gtcacgcagt  420
ttgtcaatgg agttgcggca gaggattgtc aggaggtttg ctttggggag gggattgttg  480
ttgatctgag tgagaggcag                                         500
```

<210> 24028
 <211> 522
 <212> DNA
 <213> Aspergillus nidulans

<400> 24028

gaagaggcat gtacatgat gtccgcgcc gggtaccata ttactggagc gatatcaccg 60
acgcttttac ctaccggacc gttgctagta ccgtccgcat gtactttgtc aagtagtttc 120
cctccccatc tccttgctct cctacagtgc gtccactaaa accatccagc ctgcttcctg 180
caatagccta cacttttagac atgtcccgcc gcacaggaaa cttctatggg ataaacgagt 240
ccctcttttc gtcageactg gcggaatgg tggtcagcgt cttggccgca cagccattaa 300
ctatcggttg agtaacgggg ctgatctcgc tcttcaacta cacaatctac gatattataa 360
cgcggtacga ccagccata tacgcaaact tcatgtgctg gacggccatt tgggcccga 420
tcttcattg gattgtggcc gtctgcaact attgcgatta tatgcgctat gtgactgact 480
tttcgagcga aagttttgca atgtatgtcg ggattattta tt 522

<210> 24029

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 24029

tttctcgcc actgctcaat atttcgatac ccgcaagcgc ctggactttc gcaagaagca 60
gatcgagttc gcgcgagaaa ctgccctcga ggagctacag cttgaaattg ccacagttga 120
ggaatccgaa gtcgaggatt atatccgca gcgaacggca cagattaatg ccgaagctca 180
aaaggatctc agaaacgccc agtaccacct tggcaatgcc ttctggcaaa acgatcccag 240
catagcacc ctgcgtggag cattagccgt ttggggctctt actattgatg acctcgacgt 300
ggcctccttt caccggacat caacgaagct gaacgagaaa aacgagtga gtctcatcca 360
ggcacaactc tctcacctcg gtcgcgcaaa agggaatgtc atcctcggcg tcttcagaa 420
atatttaact ggacacccca aaggcgcagc cggagcatgg atgctcaacg gcgctctgca 480
aatcctggac acagggatcg taccggggaa ccgcaacctc gacaacgtgg aggccgaatt 540
acaaaagaac gagcaaattg cttttttaa tccgtccttg gacacaggcc gtggcagcat 600
gcgcgcggtc agcgtcactt ctttcggatt cggacagaaa ggcgcacaga ctattgtcgt 660
gcatcccaag tatttatattg cgacgtgga ggagcaggaa tatgaggagt acctggacaa 720
gcgtgcgaag aggcagaaga aagccgattc gttcttctat cgggggttgg cttccaacag 780

gcttttcgag ctgaagactg ccccgccgtg ggcaccgcag aaggagctgg agacgctgct 840
agatcccacg 850

<210> 24030
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 24030

gacatcctct taccttctctg gtagcagaag acaataagat caatcggcgg gttctggttc 60
atatgttgaa aagactcggc taccaagaaa tttatgaagc cggcaacggg aaagaggctg 120
tgcgacccat gcagaatatt ctgcacgcgc agaattctga gcatgacgct gcacaagaac 180
aaaagccgtt aaattgccag accacggcgg atgaatttct cgtgcccggg ccaccgcacc 240
gacagaagag agcaaagcca gtggatgtca tactaatgga tctttggatg cccgaaatgg 300
acgggtacga agccacatca aagatattcg agatgatcaa cgagcgttac cagaatccga 360
ttccatcgca atcacagttg catcgctccg gacttcccct atcgcaacca cccactgttc 420
tcgccgtcag cgcagacgtt acagatgagg cgcttaatcg cgccaccaaa gtcggcatga 480
agggttacat gacgaagcct 500

<210> 24031
<211> 752
<212> DNA
<213> Aspergillus nidulans

<400> 24031

ccgacacgat attcgttcgg gatcccttcg ctagcccaga ggacattacc cgcggttgga 60
cgaagatgta cattttccgg agatatgggt tgtctcacgg aggatggcac gctgattttt 120
atgggcccga tggacggcga caatcaggtc aaactaaatg gtttgccgat tgagctcgat 180
gagattgcca acagcatact caccactggg aatgatctgg tgtccgaagc cgtcgtaact 240
gttcattctg gttcgggttc gggttcgcca ttgctcgtcg ctcacgtcgt ccctcttgga 300
gacaacgtcg acaactcaag acttcagcag ctgcgtagag accttcccct gccacagtac 360
atgctcccat ccgtagtcgt ttccctggac cgctcgcaa tcaacgcaa caggaaagtt 420
gataggaagg ctatcatggc cctgcctctg ccaactcagc gcactgagag cgcggcgggt 480

acaggcaccg atactgcaag acatctcagc ctgcgagaag gcgagctacg tctgctatgg 540
gagaagggtgc tcccggcctc cggtggccccg tcacgactag acgctgattc ggattttttt 600
atgcgagggtg gaacttccat gttactggtc agactccagg gagctatcaa ggaatccatt 660
ggcgtttcta tccccgttgc agagctctac cagtttccga ctctcggcca aatggcgcg 720
cgaatcagtc gccgaaagga agatcatcaa gc 752

<210> 24032
<211> 741
<212> DNA
<213> Aspergillus nidulans

<400> 24032

aaccccggtc agacgattga aactatcaac gagcacctgt cgatgccgga aacgcctatg 60
gcgccgccgt cggagcctcg cattcgccccg gctgcgaaca cagatctcaa aaagttcggga 120
tataaaccba tggctatgcy cctttcagaa gcatctgaga ttctggatga ccgaattgat 180
gagttcatga ctatattcga gaagatgtat gagaaggagg atgtcacatt tggaagtgcc 240
gctgttcaga gcacaaacga gattgttgcc gttggccgta ttgcctctga tagccccgga 300
gggaagctca atcctgcgtc tcttgtgctc gagacgtcga gacgtagcgg agctgggcca 360
agggttcttc tgaatgtcga ctctattcca tcagtgaact tctttctctg ccagattgtc 420
gcactgttgg gaatcaatgc atcaggaaat tatttttcgg tcaaggaggt ccttcacca 480
ccgctgttgc cgccagccgt atcgtctgta cctacgattg agagcactaa tgagcgatta 540
tcggaaggag ggtcttcacc cttgaatgta atgatcgctt gcggggcccta caccgccgac 600
gacaatctgg actttgagcc gttgaaggaa atatgccaca aagctgcaga gggctacgca 660
gatgggctca tactgttagg gccgttctcg gatcttgaac atccattgct ggcatcgggt 720
gatttcgagc tcccagaaag t 741

<210> 24033
<211> 544
<212> DNA
<213> Aspergillus nidulans

<400> 24033

ggatcaccac ccgccgcat ttgcgctgat tccgaaggtc atggctagca tgcgaaactg 60

gttgacagcgg ttggatgggt cgggagcgga cggacaggag aatcagagga aggggcaacg 120
 ggttgcagtc gtgcattgca aagctggtaa agggcgacacg ggacaatggc gtgctcgtac 180
 ctgattagcc aggaggggtg gaagatggag gatgcgttgc aacggttcac ggagcgccgg 240
 atgagagtag gattcgggtc tggcgtcagt ataccagtc agtcagatg ggtacggtat 300
 gtgaatcggg ggacgaacga actggggaaa aggtacgttg agcggccggg tgagattctt 360
 gagattcatg tttgggtctt acgggatgga gtcaaggctg tgggtggaggg cttcgtggag 420
 gaaggacaga agattaagca gtttcacctg tttcgaaagg atgaacggac ggtcatgtca 480
 gatagtacat tgcagtctca gtcgtccaac ggtcgtccac acaactagcg aagacgacga 540
 agac 544

<210> 24034
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24034

agcattccag gttgatgcca ccgcaaaggc gaactccggg caccgccgtg cccctatggg 60
 catggccccg gtggcccacg ttctcttcaa caagttcatg aagttcaacc ccaagaaccc 120
 cgaatgggct aaccgtgacc gatttgtcct ctcgatgaa gccatttct cttgcgagta 180
 cgatcttcgc taacgtgctc gctatagcaa cggccacggc tgcattgctc aatattgtct 240
 cctccacctt ttcggatagc gcatctccat ggatgacctc aaggcggttc gtgtaagcaa 300
 caactctatt cgttctcata ctgatcattc aggcggttag ttaatttatc aattcttata 360
 gcaactcgac agcattactc ctggtcaccc ttgagggttac aacacaaccc gtattgaggt 420
 gaccacttgt tcccctcggg caggggttat cccaacgctg ttggtcttgc cttttgcccc 480
 agctaacagt ggggtgtgtc 500

<210> 24035
 <211> 285
 <212> DNA
 <213> Aspergillus nidulans

<400> 24035

ccaatgatgt gcattcaaac gccttgtgcg cttgtttggg caggcagtct ggccgcacgg 60

ttgggcagca agggctggag cacgtggggt attctaatacg tcacggcgtg cttacagggc 120
acactccttg tcctatgtgt gttcttcgag tatcttggcc ccaataaagg ccatagccac 180
gactataaca aggacaccgc accaagccag cctggtgaaa acagtgatgc ccaagatgag 240
gacggcccat atgaagaaac gccactcccc cgagacagcc gttga 285

<210> 24036
<211> 3758
<212> DNA
<213> Aspergillus nidulans

<400> 24036
caccatgtca agttctacaa gtggatgcag gataccgtca acctggcact cgcgcgccgc 60
tgagtgccg acagcgacac ctggattcat gacagtcccg ccgtacggga aaagtacatt 120
tcccttgctg ggtcgcagac ggtggacgga gagctgatct gccagctagg cccattgctg 180
ctgccggtcc ttcgcgggga acgagcgccg ctggaggtta tgatggaggg acgcctgctg 240
tacaagtact acgccaacgc ataccggctg gagcccgctt tcgagcagct caagtcattg 300
ctgggcgcga tcctgcataa gaaccctcgt gccagggttc tcgagatcgg agccggcacc 360
ggcgctgcc aacgacacgc gctcaagacc ctagggactg atgaggatgg cggtcctcgc 420
tgcgagagct ggcaactttac tgacatctcc tccgggttct tcgaggcaat ccgcgctgaa 480
ttcgccacct ggggcggcct gctggagttt aataagctgg atatcgagca ggaccccgaa 540
gcgaggggt tcaagctcgg ttcttacgat gtcgtggtcg cctgccaggt tctgcacgcc 600
acgaagagca tgcaccggac tatgaccaat gtccgggtccc tgatgaaacc cggcgagcac 660
gctgctcctt atggagacga cacaggacca gattgacttg cagttcatct ttggtctcct 720
gccgggttgg tggctgagcg aagagcctga gcgccacgcg agccccagcc tgagcattga 780
catgtgggat cgggtgctca agggggcccg ctttacggga gtcgagattg acctgagaga 840
tgtgaacgtt gatgctgaga gtgatctgta cggcatcagc aatatcatga gcacggctgt 900
cggcacggcg ggttcgagcc ctgagaaggt ggatgccgcc caggtggtga tcgtgacggg 960
caacaagacg ggctttcagg acgattgggt caggggactg caggcagcca ttgctcagga 1020
ctccggtagc gatgcccttc cagagattat atccctcgag tctccctcgc tcggggcaga 1080
ggccttcag tcccggctgg tcgtcttcgt cggcgagctt gacagaccgc ttctggcgctc 1140

tcttgactcc acagagctcg aggggaatcaa gaccatggcc ctgcctgca aaggtcttct 1200
ctgggtcacc cgcggcggcg cgggtgagtg tacggacccc gactctgcgc ttgcatctgg 1260
gttcgtccgc gttctgcgca ccgagtatct cggccggcgc ttcttgactc tcgacctgga 1320
cccagcagcc cattcgcttg cgtctgatat ctacgtcatt gtgcacctcc tctcctcgcg 1380
cctacagccg gccgttgaga cagcggcccc ggccgacagc gagttcgctc tgcgagacgg 1440
cctcctcctt gtgccgcgcc tttaaaaaga cgttgtctgg aatgcactgc tggagcctga 1500
ggccccgac tgggcctctc cagagagtat tcccgaagcc cccttcttcc aagccaagcg 1560
gccgcttaaa ctcgaggttg ggatccctgg tctgctcgat aactcgcct tcggcgacga 1620
accccgacgc gctggacgcc gccgggcccc tgcccgacga gatggtcgag atagagcctc 1680
gcgcttatgg cctcaacttc cgcgacgtca tgggtggccat gggccagctc aaagagcgcg 1740
tcatgggtct agagtgcgca ggcgatcatc cgcgcgtcgg cgctgaagct gcggcgcaag 1800
gcttcgccgt gggtgaccgg gtcattggccc tgctgctggg cccgttcagc tctcgtgcac 1860
gggtgagctg gcacggagtc gccagtatgc ccgcggggat ggggtttgca gatgctgcct 1920
ctatcccgat gatcttcacc acggcgtacg tcgctctcgt gcaagcagcg cgactgtcgc 1980
aggggcagac agtgcttatt cacgccgtg caggaggtgt agggcaagca gccgtgatac 2040
tgccaagga atatctcgga gcagaagtct ttgcaaccgt gggctcgag gagaagcgag 2100
acctactgat caaggagtac ggaatccccg acgaccacat cttcaactct cgcgacagtt 2160
cctttgcacc ggctgccctg gccgcaacag ccggacgggg cgtggactgc gtccttaact 2220
cgctaggtgg cgccctcctc caagccagct tcgaggttct cgcgcccttt ggccactttg 2280
tcgagatcgg caagcgcgat ctcgagcaga acagcctgct cgagatggcc accttcacgc 2340
gcgctgtctc cttcacttcg ctcgacatga tgaccctcct ccgccagcgc ggcgacgagg 2400
cgcaccgcgt cctgagcgag ctgcgccggc tggccggcca ggggatcgtc aagcccgctc 2460
accctgtgtc cgtataccca atgcgccagg ttgacaaggc cttccgtctg ctgcagacgg 2520
ggaagcatct cggcaagctg gtactgtcca ccgagcctga cgaagaggtt agagttcttc 2580
cccgcccgcc caccgccccaa ttgcgcgccg atgcatctta cctccttgtc ggcggcgtgg 2640
gaggtctcgg ccgctccctc gccagctgga tggtcgaaca cggcgcaaaa caccttatcc 2700
tcctctcgcg gagtgcaggc aagcaggaca gcagcgcatt cgttaatggc ctacgggacg 2760

caggatgccg cgctgccgca atctcctgcg acgtcgccga cagggccgac ctcgaccgcg 2820
 cgatcgggc cgctcagag ttgggggtcc cgcattgccg cggcgatc cagggcgcg 2880
 tggctctgca agactcgatc attgagcaga tgagcattgc agactggaat gcggcaatca 2940
 agcccaaggt tgccgggaca cgcaacctcc atgaccgctt ctcccagcgc aacagcctcg 3000
 acttcttcgt catgctctct tccctatccg cgatcctggg ttggggcagt caggcctcct 3060
 acgcggctgg cggaacgtac caggatgcgc tggcgcgctg gcgctgctcc aagggtctgc 3120
 ctgccgtatc cctcgatatg ggcgtaatca aagatgtcgg ctacgtcgcc gagtcgcggt 3180
 cagtctcaga ccggctgcgc aaagtggcc agtccctccg cctctctgaa gagtcgatcc 3240
 tccagaccct ggcaacggcg gtcttgacc cattcgccg gcccagctc ctctggggc 3300
 tgaactccgg ccagggcagc cactgggacc cttccagcga cagccagatg gggcgtagc 3360
 cccgcttcgc acctctccgc taccgtaagc ccgcatctac gaagtccgct cagacatctt 3420
 ccagcggcga cggcgaagag cccctttcat ccaagctcaa gtcagccgat tccccgatg 3480
 cggcggcgaa ctatgtcggg ggtgcaattg ccaccaagct cgcagacatc ttcattggtcc 3540
 ctgtggccga tatcgatctg accaagccgc caagtgcgta cggggtcgac tcgttggttg 3600
 ctgtcgagct gaggaatatg ctggtgctcc aggcggcgtg tgatgtgagt atcttttagta 3660
 tcctgcagag tgtgagcctt gcggcgctgg cggggatggt ggtcgaaaag agtgcgcat 3720
 tcgaggggaag tgccacggga actgtcgttg ttgcttga 3758

<210> 24037
 <211> 720
 <212> DNA
 <213> Aspergillus nidulans

<400> 24037

ttcagcggc tgctcacata tgatgctgtc tcatttgcg aatatcttga cactattgtg 60
 accgcgaatt cccctccgcc gggctccacg aggcacaatt actcaccctg gctgtttctc 120
 gacgcggccc acgtcctctt tcagacagca aagtctagag tatacgaagg gaagattggc 180
 aatgaattat ctcgctcatc catgacatct ttacctacca cgcttcggcc tgtattggaa 240
 gagcagccca aatgggacgt tctggctgag atcctcgagg aaatagaaat ggacgcatat 300
 cataatccgg ccagtacagg tgaatcaaac aacacggtac tgataatgtg cacagatcaa 360

cgaacgtgct gtcaacttcg ggagtatctg ggaacaatga ataccaaagt cgaagatgag 420
 cggcaggagg ttgcagatgg tagcgaggac aagcaagaga agaagcgctc aggagaagtt 480
 atgttgcgca ggaaactaag ggagtatgtc aactggaaac gctcactggt caatgtcaac 540
 aaaaacttga cagcaaaacc agtgaatgaa gagcctcgaa caggatcagg ccgggattca 600
 ccacgaccga cgactcagca aggtcgagct ccaccgaaca aacgacgccg agtccgtgga 660
 ggagctgctt ctgttcgagc tccccgtcaa ccaaacagca gtgttcaagc agatactgag 720

<210> 24038
 <211> 633
 <212> DNA
 <213> Aspergillus nidulans

<400> 24038
 atgccttctt ccccgaccaa ttccagccac accgcgagc catctccagc tgacctcgaa 60
 tccgacctcc tcgcgcacct ggctcaaca cagccctcg aagacctgca cacaacactg 120
 ctctcaacac tccaacgggt cggctggacc gagaaaatcc ggcgattgag tactgagctt 180
 ctccgcgca accgatgtga gcgattcgac gacgtcgttg aagcagtcgt cgcttcggcg 240
 cagggccgct cgcacccgtt ccttgtcgat tccaactccg ataataacac cggctctcgc 300
 gcaaaccata cacacaatca taacggggat gtggacggag ttgaaagcaa cagtgcgtac 360
 tccattgaaa atgcggattt gcggtattccg agcgtggtcg ttgagcaagg gggtcgagca 420
 atcaaggata tattaagaga ggtcgttata ctggaagatg aaggggatgg agccggagat 480
 agcagtagtg ctactgggac ggtagtaat aatgctgttg atgtggttgg agagactgag 540
 acgaaacgac agggagagaa ggtggttaat ggtgatacaa gcccgccaa gaaggggggc 600
 aagaaggcga aacagccgaa gcagataaga tga 633

<210> 24039
 <211> 321
 <212> DNA
 <213> Aspergillus nidulans

<400> 24039
 gcaatcgccg agattgtccc taccgggtac agaggctact acattgcagc cgtggtagcg 60
 agcttcctcc ccttcgcgcc gggaagtctc tacggcgcat tgatcgcgca acacaactgg 120

cggtagctgtg cgtgtatggg agcgatctgg aatcttctga cagctgggat gatctggtgg 180
 ttttataacc cacctccccg tacgaacacg gccggcttaa gcaagatcga aaaagtgaaa 240
 cgcattgact ccatcggcgg gctaatacatg actgctggcc tggttttcct tcttatatcg 300
 ctgaactggg gagggcagca g 321

<210> 24040
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24040

atggcggaat gcgatcgtct tcttcgtccc cagcgccgct cctcctcgca ggctcgtcg 60
 tcgtcgcgcc acagccagaa agctaaggcc atccgaacga aagcccagaa acgccactcc 120
 gcgtccaacg tgaccacgac cagcacaacg accgagtcgg aaaccgattt gacctccttc 180
 ccgtccctgt cggccgaccg ctgcaccaac ggattcttcg gacagcccg cttgaaccgt 240
 gcgctgacta gcgcgttact ggacgggacc gaggagaacg agtcgctat ggatcgtaac 300
 cgggaccgca aagcggcggt ggctaagctg accactgctg cctcgcacag ttctggccgg 360
 gcggctttgt ttgaggattc cgtaccgatt cggattttcc ctggggtnnt gcatttgga 420
 gtcgatgcgc atacgagcg cttgattgcg agtaatgggg ccgtaaagtt tgtccggcag 480
 tttgcaaggc acctggcgca gcgtcacgcg gagatctctg cgttgcgcca acgtgctgac 540
 gagagggacc cggccctcaa gaggatgctg cgtgaggcga aagtaaagaa taaggatatt 600
 gagcggcggt tgtatgcgct g 621

<210> 24041
 <211> 870
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24041

atgaccttgg gcggtgtgaa aagcgcgggt cggattgcgg cttatctggc tgcatacagg 60
 atggtcgggt ctggcgtact ggaggatggg cggatcaagg agctcgctgg gaaccctgtg 120
 gtcttgctcg acgagatcga taagattggc ggcctaatt tccagggaga cccatctgca 180

gcaatgctgg aagtgctgga ccctgagcag aaccatacct ttgttgatca ttacattaac 240
attcccattg acttgagcaa ggtcctgttc atagccacag tcaactcctt ggacaccatt 300
cctgcccctc tcctagaccg aatggagaca atccagctgt ccgggtacac aactgtcgaa 360
aagagacaca ttgctaagag acaccttctt cccaagcaaa tccgagcgaa cgggctttca 420
gatggtaag ttgttttgtc ggacgatgtt atcgacaaga ccaccacctc atacaccaga 480
gaatccggcg tccgcaacct cgaacgagaa cttgggtcga tctgccgcta caaggccgtt 540
cagtttgagg acgccactga cagtgtgaag cttgagtcgt acaaccccgt tgttacagtc 600
gatgacttgg aagaaatcct cggatcagag cgctttgacg aggaaatcgc cgagaaacac 660
ggccgtccag gcgtcgtaac cggcctagtt gcatactcaa ccggcggcca aggaagcatt 720
cttttcatcg aagtcgcaga catgccagga agcggtcgag tccaactcac cggaaaactt 780
ggagatgtcc tcaaggaaag tgtggaagtc gcccaaacat gggtaaaagc tcactccttc 840
gagcgtggca tataacatcc gaccccaact 870

<210> 24042
<211> 420
<212> DNA
<213> Aspergillus nidulans

<400> 24042
ctggggctcc aatatttcag gttcggggcc catggccttc cagggaacgt tgaccatgca 60
cccaatcgca ccttcagcct tagcgagatg actccctttg gcgcgcggat gatgtctgag 120
gtctggacgt gcccggcaaa tacctccttc acttctttag atccggtact ctatgcgaat 180
cccctcctaa agtctgctgg tgccgtact tctaagtaca tccgctttct cttgaacggc 240
gcacctcttc ctctgaaggc cctagttggc tgtgagcacg cggatgaatg cttttgtcct 300
ctggaagggt tcctgagcgg agttccgact ctgaaggagc gcgcgcagta ccagagggct 360
tgcttcggcg agtaccctac tggcgaacag gttggtgatg gtgttcctcc tccggcttaa 420

<210> 24043
<211> 502
<212> DNA
<213> Aspergillus nidulans

<400> 24043

gaataaccct ttcagcccca actctgcaca tgcgaatgac atcatccaca acggttggat 60
gaagaagcgg aaaacctcta agctcatccg ccacgaatgg gaagagaatc acttcaccct 120
tcgaggcact catctgtgca tgtatccaga tgagcaggcc gctcttcggg actccaaagc 180
attggagcgt attgatgtag atgattatgc cgtggcgtgt tcttcactgc gatccacctc 240
tagattgacc aacgctttca aaaagaccgt cctgaagcgc gtcaataaca accaggaacc 300
aggggcgttt gccttttccc tcatccctgc ctcgaatacc gaccgcaagc atttcttgcc 360
aggcgggccc aaatcacacc atttctcgt cgagacgcag caggagcgca tcgactggat 420
gagagagctg atgctcgcaa aagctctccg acgaggccga gaaggcggcg attctgtcaa 480
cctcaatggc cagcctttct ag 502

<210> 24044
<211> 408
<212> DNA
<213> Aspergillus nidulans

<400> 24044
atgacggcca aatgctcggc ttcttataga atcaccaagg ctctcgcgcg gtaccagca 60
gtccagaccc aaaccggcg aggattctca gcggctcccc gacggcaaga tgcggcaaaa 120
gcagccgaaa atgataagca accagaggca agaaatgaag acaaaagaga agagggcgcg 180
atgagtcggc gtctctcaga gatggcagag caagcctttc tcgaaggagg tcggtcagca 240
cgcaagaacc tctcgcaggc ggggttctcg gaggagctca agaaggagct tgaggagagg 300
gtagcggcgg cgacattcaa aagcgaacat gcggctgcac attctattgt taacatgcc 360
gtatgttgtc ttaactcaca attcagacgg attcgggttc aggattag 408

<210> 24045
<211> 2326
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24045

ttttaatacc ccgcgaatga tggttcctct ggcctgaga accaacgtcg aggcagccat 60
tcgncccacg cccgaacccc atctaggaac tttgacggta actggcgcca gcccaacaac 120
caatctcaag gccaggacca atctaaaggt ctcggtcagc agaactcagg atttcagtcc 180

atcaagagca gcggaagct aggattcgat gaggttgagt ctgtaattaa gggaacgtcg 1860
gatgttccat tgtctggagt ctcggtggat atcatccgtg gtttacaggt gaaaagctcc 1920
cactaagttc aatacatcag atctcttttg gctaacttta aagcagcgca ccgcctcgaa 1980
attccgtgaa gcgagactcg gaaatcgtgt ttctcagatc cctcctctcc gtcttcttca 2040
ttctctcgat gacgagaacg tgccggtgga aagcaacatc ttgggtctt cggctgtccg 2100
tgaactcgtg gaagaattaa gctgcaaagc gaacttcctc gttgcccga agttggttgc 2160
agctctgcct gacaaagctt tccttcgccg ccagcaatca ccaaaccctc gtcgcctcca 2220
ctcatttgc gatcgcatga acagactcgg gtttgggtt gacgaatcta gcagcggaag 2280
cttgagagat agtctctgca aggttaagga cgatgatttg cgcaag 2326

<210> 24046
<211> 1385
<212> DNA
<213> Aspergillus nidulans

<400> 24046

atatttacia aagtaagcc aggcacctgg cctggtatga tcaagatggc gaaccacga 60
tccataaccc cttcaagaaa ttctgaagaa gcccgcgacg gacgaattcg atccagctcg 120
aaagcaggtt gacacaattc tcctctgctg gcgccgtgcg ccctgaggag gaaatccggc 180
gcaatagaga aataagagaa ggtctgggcg ggcccgtca ttcggactct ttcccacccg 240
gcactgggac gacggtggat tcagtagcac ggcccgaag tatggaaaag gcagagccgg 300
agccttcgat gagcagtggc gaccccatca atgtttcaac tcgtgcaagc ccggctgggg 360
agtcagaggg catacctcg aagcggacgc ggtttctaag gctaagcgag ctttcgaacg 420
aagaaggtaa agaaatttcc gaagatgaac tgcgggacaa gcagaagttt acgccagtgg 480
gacaattcaa ggccactgtc ctaaattcat ggatcaatat tcttatcctt gccgcgccgg 540
ttggaattgc gttgaactat gttgacgtcg acccgtggc agtttttgtg gtcaatttca 600
ttgctattat tcccttggcg gctatgctga gttttgcaac ggaagagatt gccctaagga 660
caggcgagac gattggaggt ctctcaatg ccagttttgg aaacgctgtc gagttaatcg 720
ttgccatcat tgccttggtc cacaacgagg tgctcattgt gcagacatcc ctcatcggt 780
gcatgttgtc caacctcctt ttagttctgg ggatgtgctt tctcttcggt ggcatcaacc 840

gcttggagca gcacttcaat cctgtcgtcg cgcagacagc agccagtctt ctttctctat 900
 cggtcggggc tttgatcatc cctacagctt tcaacgcctg gtccgacggg acgtcaaatt 960
 tctattaccg cattgaagaa tactaacaat cgtagcggac aaatccaaga ctgccccgct 1020
 atccagaggt aaggattggt cctcattacc aagaactact ctcaccagta ttaggaacta 1080
 gcgtgaccc tttggcgtt tacggttgct acctctactt ccagctcagt acacacgttg 1140
 agatgtacaa cgcgcccagc cagaaatccg aaaagatacg ccagaagggtg tccgaaggcg 1200
 acgccagtcg cggcattgct cagatcggcc atatgtcggc tgcactggca ggagcgaaca 1260
 atgagcctgt acaggaccct gacgacgagc cggaagagcc gcagcttcac atctatgttg 1320
 cgattgcgac gctgtgcatc tccactgcac tcgtcggcgt gtgtgcggaa ttcattgtac 1380
 gtcta 1385

<210> 24047
 <211> 1021
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24047

gcaccctgag tacgactact actggaactg ggagatggac gcgcgctaca ctggccattg 60
 gtaccacctc ttcgacaagg ttgtcaactg ggcacgccag cagcctcgca ggggattatg 120
 ggagcgaaac tccagattct atgtgccatc cgtacacggc tcttgggatg acttttagaca 180
 aatggttcgc gtgcagacgg agctcggcac gaacagccca agcaacatgt ggagcgcagg 240
 tgctactcac gacttcgctc atggcgagaa acctggtcga cgccagggcg acaaattcat 300
 ctggggacct gtgcggccgg acgaacagga tatcttcgaa gtcgatggcg agggatttcc 360
 cccaacgact atggagaagg acaaatatga atggggagtc aacgaggagg ctgatctcat 420
 tgtcttcaat cccatcttcg atcctgatgg aacaacctgg cctctcaagg atgatgttac 480
 cgggtacaa cgcgagaatg gcctgccacc acgacgagcc gcaatcatta ccacctccag 540
 actttcacgt aagttgctac tcaccatgca caaggaaaca accttcaagc ggcacaccat 600
 gttctcggaa atgtggcctg ctactacggc gctgcaacat gggtttaaag cagtttatgt 660
 gcccattct gtttacattg accgcaactg gccaacggag tatctcgagt ccgtcttcaa 720
 cgcgggacgt aacggagcct cgggaggcgc gcggccgtcc gtctttggtg atcgtgagca 780

taacttccgc ggtaccacct ggttctatct cgctggcttc tcgccaacc tctggagacg 840
 ctggctgggc tacaaggctc acaacgacgg cggtagcag gaggagcttg caggcgaagg 900
 acgaatgtgc cttccccga tgctgtcca cctgttaaa gaggtggaga tgatcattga 960
 tgatggggtg gaagctgatg tcgcagaaac cgatgaaatg gaaccagagg aatggatata 1020
 g 1021

<210> 24048
 <211> 646
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24048

atggagaata aaaccgacaa ttctcggcc gggaccaagc gctcctggga aggcttacct 60
 ctccacaacg acggcaagtc acagcgggtt ccatcaacga caatggtaga atcagcctct 120
 ttcgacgtcc tctcaatgtt cgagggcttc cgcgacgagc tagatcaaca ccacgaccgt 180
 cgtgagcggc tgatcaagat aagtcgtgat attacagcac ttagcaaaaa aatgtacgcc 240
 gcgatttata tcctcttttc atttactaac aagctaatac gggtcattct agtatcttct 300
 ctctccaacg gtccgtctca ctccacactg atcgaacagg caaacactgc agagtcctaa 360
 ccacagccat tccagagtcc gaacggccgg cgcgccatt ccgcatcaa ttctcaaaga 420
 cgtccaatcc cgcttcaccc agataaatga cctcttctc tcggctgtcc cagaaacaca 480
 gggctcfaat aactaccgt acctgcgcaa cctcagcggc ggaatccaag aattcatcga 540
 agccctctcc ttcaaact atctcgagac tcagaccctc ataaccgcg agcaagttac 600
 atcacatttg cctccggata tctagtcac ggaagatgac tatgtg 646

<210> 24049
 <211> 1581
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24049

atgagtgatc aaatatctc gtggaatgtc gtccacaagt tcgaaaagcg cggccttctc 60
 atcgccatta actgcgtggc tgccctgtca atccttttct ttggatatga ccagggtatg 120
 atgtctggag tgaacaactc caaggactat atcgatctca tggggtttgg ctatacggag 180

atgaaggatg gccacccttc ccccggtggtg accaacagtc tgctccaagg cggcatcgtc 240
 agtgtctatt atttaggtac gctcttcggt gcgctggttg gcggttggac tggagacaag 300
 gttggtagaa tcaagacgat tgccttcggc tcagtctggg ccatgttttg ggccgctcta 360
 cagtgtcag cccagaacca cgactggatg atctgcggtt agccgtcttg cccgatccct 420
 gtgtttttgt gacttttcta gctgacttag gtagcgcgat ttataaacgg aattggaacc 480
 ggaatactca acgcgattgt tcccgtatgg gcgaccgaga ctgcagaaca cacgagtcgt 540
 ggccagttca ttgcaatcga gttcacactg aacatcttcg gtgtcgtgct cgcatatttg 600
 cttgaattgt aagcaataga agaagccaac ttggaccatg cactaacgat catacagcgg 660
 cctgtctttc atcgataacg gcgcacgccc cttccgctgg cgcttcccgga tcgcgttcca 720
 aatcatcttc ttgctcgttc tattcgccgc cgtttggttc ttcccgaat cccacggtg 780
 gttggtgagg gttggtcggg agcaggaggc tcggtatatt ctgggtaggc tgcgtggcag 840
 cagcggtgaa gatgccatcc gggccgaggg ccgagttcca ggatattctc agcgtcgcgg 900
 aggcagagag gtccatgggc cacagcacgt cttacctggc tatgcttttc ggatacaaga 960
 ccgggaagtt gcatcttggc cgccgggttc aacttgtggt atggctacag atcatgcagg 1020
 agtgggttgg tattgccggt gttactgttt gtacgtcggc cttgagataa tgtcggggccc 1080
 aggctaattg ttctgcagat gccccgacta ttttcagcat tgcaggattc gattccatga 1140
 agagtcaatg gatcagcggg ttaaacaacg tcttttacat ggtatgtcgt ctttctctgg 1200
 gcttgggtaca ggcacatgct aacagaacag tttgctacta tgatctgtgt ctttactctc 1260
 gaccgaatcg gccgtcgggtg gactttgtac tggggagctg cagcccaagg aatcgccatg 1320
 ttccttgctg ggggtttctc acgtgtttcg atcgacgcac gagatgcggg caacatggcg 1380
 cgagctgaat cattcgggtgc tgctgcagcg tccatggttt ttgtattcac cgcggtcttc 1440
 ggagccacct ggctcacagt gccttggatc taccctgcgg agatttatcc attagccgtc 1500
 cgtgcaaagg gtaatgctg ggggtgtgtc ggctggagta ttggaaacgg atggttggtg 1560
 agtggtcgtg acccaaatta c 1581

<210> 24050
 <211> 1023
 <212> DNA
 <213> Aspergillus nidulans

<400> 24050

atggaaacga ttacagccca ggccattcgg gatatggcgg ctcttcggaa accgccggct 60
ccatggacac tagatgagcc gtatccccag tcttactaca gcttcaaccc cacaacatct 120
gcctgggtct ccaaaacacc atctaccgcg gccgagcaga gcagcccga tgctggggct 180
gtcgccgcca ttgcaactta cacctggaat atcgacttca tggtaccttt cgcggtgct 240
cgtatgcggc cggtctttgc tcatttgac gaactcatcc gtgatctcca ccaaaatata 300
gcccctgtga tttttctcca agagtgcact ctttctgacc tggggaccat cgctgcaacc 360
ccctgggtgc aagaccattt tcacgtgacg gatcttgaac caaccaattg ggctacctcg 420
cagtatggca caatcacgct gatcagcaag cgcgtacca ttgtgtctgt ctttcgctg 480
cattactctc acacacgcat ggaccgcat gcgcttttcg tggacatcac aattggacat 540
gagaagcgga tgcgcctctg caattcgac ctagaatcgt tggccctcga ccctccctac 600
cgccatttgc agatgcagct gatcgcgaaa tacatgcatc aagatgacat aaacgctgct 660
gttgctgcag gagatttcaa tgctattcag ccaattgata gaacactgca tacggaccag 720
aatctcaagg atgcattttt ggaatttggg gggaaggaag acaccctga aggatataca 780
tggggccagc aagcagcaac cgcccagcgc gaacagtttg ggtgttcgag gatggataag 840
gtctacttct gcgggtgtct caagttgttg aaggttgata ggtttggtga gggggtgctg 900
gtggaagggg acgaggagag acggcagatt gtgggtctgg gattcgagaa gccctgggtc 960
acagatcatc ttggtgtcat ggccgtattt gatgtcgggc tcaccatgga ttcgcaactc 1020
tag 1023

<210> 24051

<211> 539

<212> DNA

<213> Aspergillus nidulans

<400> 24051

aagccatctc cttcgacagt cgatacgccc gtttctactg agagatatc gttgccagat 60
gaggctcccg gcaagaatga ctatgccctt ggggtggttg agaacgttgc tcgctcggtt 120
gatcataagg ctgaacgggc gctctgccgt cgatttgatc tgcggttgat gccctggttg 180
gctattatgt gttggtgatg tgcaatcttc aaacggcggt cagtagttga ctttacgtat 240

agaccttttc aatgctctgg acaagggcaa tctcggtaat gcagagacag atggaatgag 300
cgacggtaag tccgccgaaa atcaatagct ccagcccctg ctaacaggtc agacctccat 360
ttcaaaccag ggcagtacaa tcttctgcta tcatcttct tegtcccta tgtgatcttc 420
gcgccgcaa tgcctatgct aggcaagcgc ttcagtcgg cgagggtgct gccaatcctg 480
atgttttagct ttggctcctt cacccttatt gcctcgtcca caaagaactt tgggtggcat 539

<210> 24052
<211> 609
<212> DNA
<213> Aspergillus nidulans

<400> 24052
gtgttgctta gctgacactg ttcagaaagt ggctgataat atccaagata tcacggagtt 60
tggatgatctt ccatggcaac ctttacggta tgtatctatt tcaaccagaa gtgcggcact 120
gctaattgtac atgccagtcg cctaagtcaa atactttcaa aacgacgggc attgacaccc 180
aggacactgg atcttttctt ccgacccgat ttgggattca ttgacatatg cgactcgggc 240
agtatgactg gtgtatcctg cttatgggtt tgttcatgtt ttaactcacc tgttttagagc 300
ttgagacgga cgacttcaga aagattttca cgtttatgcc cgctctgacc agcgtaaacc 360
ttcggtttgc tggacagttg aaagacgatg tcatagacta catgctcgat cgaaatctga 420
gtatccgaca tctgcaactt gattctgcaa atcttgtctc ggatctgaga tggagacaag 480
tattccagaa gctgggggat aagctagaga cactcaggct gtccaacctg gactcttcgc 540
tagatgatga gagcattgaa gtcattgtga aacactgcac gggactccga cggttaaagc 600
tcaccaat 609

<210> 24053
<211> 207
<212> DNA
<213> Aspergillus nidulans

<400> 24053
atgtcccttc gttggatcct ccttcggctt ctctcagcc tcctcccact agccgttacc 60
gctaccgtct atctgtacct ctaccccgtc ttctctggct gcgcatatcc tctccctctg 120
aacagctaca atgcctcaca gcgtcccagc gcattcattc atcacctca gaacacatcc 180

tcacaccacg ctcaacgccca ggcatag

207

<210> 24054
<211> 1435
<212> DNA
<213> Aspergillus nidulans

<400> 24054

ctt gatcaaa cattctacaa ccagtccgaa gactgcctat atctcaacat agtgcggccc 60
gctggctacg accaggagaa actccccgtc ggcttttggga tccatggcgg aggggttcagc 120
aacggcggcg gcggcgatca gcgctataac ctctcattta tcgtcaagca gtccgtcaag 180
atcggcaagc caataattgg cgtttcaatc aactaccggc ttaacctctg gggattcctc 240
cactcaaatg aagttgtagg ggaaggaatc acgaacctag gtctaaggga ccagcgcctt 300
gctctgtact ggggtgcagga gaacattgct accttcggcg gagaccctgg gaaggtgaca 360
atcttcggcg agtccgctgg cgccgcctca gtcggcttcc atgtaagtca ttgtttggga 420
taatgccgtg ctccgctaac gcgcaaagct cactgcctat ggaggtcgcg acgacaagct 480
cttcgcgccc gcaatactac agtctggtaa tcccatattc tacggagccg aaaatggaac 540
gcagcgctcg caagcctcct tcgaggcgat cgtatcccag gttggatgcg ccgaggcctg 600
ggacaggatc caatgtctcc gcgaggctc tttcctgacg ctgaacgcta catatgactc 660
gatcaacgga tccttcgcac ctacaattga cggcgacttt attcgcacct acggcagcaa 720
acagctcctc gatggccaat ttgtcagagt acccatcctc acgggcacca acagcgacga 780
gggtgcctct atgagcccca caggaatcaa tacaaccgaa gatttcaaag cgactctttc 840
cagcttcctc cctgtttcat ttcaagacgc catcctaaaa gcctaccgag atgacttgctc 900
ggccaatgctc attgccagcc taggagacca gcgaccagtg gctccttacg gggcacagtt 960
ccggcgacgc gcctccttct gggggcgacta ctactttatc gcatcgaggc gacaaaaccgc 1020
caagacatgg gctgcgcatg gcatccccgc gtatgcgtac agattcaacg ctattccccgc 1080
gggtgttctc cccgaagtgg gcgtgggcca ttataaggag atcgggttca tgttcaacaa 1140
tctcgagggc gtaggctaca gaccagatat caaacccttc gagggcaagg gacagaacta 1200
tatcgatctc gcggacttga tgagctcgac atgggcgagc tttattcatg atctggattt 1260
gaataactat acagggcgag acacgaatat cccggattgg ccgaggatat atgtgctgga 1320

gccgcgggat tttgtctttg acgcaaagt caccagctat acggaggatg acacgtatcg 1380
 ggagaggggt attgccttga ttaatgacca tgctgcgggg gttttgcaca ggtag 1435

<210> 24055
 <211> 654
 <212> DNA
 <213> Aspergillus nidulans

<400> 24055

atttcgcctg actctactct cattgttacc acaggagttt atgatcggtt tgtgaaggta 60
 tggaagaggt tagcattcgg tgctgacgac gtgcgcttcg atgtatcata cctcgcgcat 120
 cctgctatag ttacgggggt tcaactggcg cgccgcttc atggagagca gtcaatggcg 180
 aatgtcttct acacattatg cgccgataat aaaatccgag tttgggcggc gattgataac 240
 catgccccat ctccactaca gctatggacg cagattgaca tgaaccgttc cgtacagccg 300
 agacacgcaa cgaatggagt gggcgatatca cgccgctacg ggtttatcat cgatagtcgg 360
 gatttctgca gcgctaccga gcgggcgggtg gaacgaggtg caggaaacaa aggaaaccat 420
 gctttggaac atattatcga agttgcgacg aggagcccgg agatatatgt ggtaatggat 480
 ggtgaagggc atatggctgc ctgggcggtg gaagacgtcg gtcceaaggc ccaatccaaa 540
 atgaacgtgt tcaacatcct ccatgtcgag ggtttgatt tctcgttctt gcgcggacat 600
 ctctgcgagg aagattatgc gcaaatatgt gcctttcaaa gtgcagatcc tgga 654

<210> 24056
 <211> 284
 <212> DNA
 <213> Aspergillus nidulans

<400> 24056

tctatttcgg gaccacgaaa ggtcgtcaaa tccgagcaaa ctatcttgct ctgcgccgca 60
 ctgaagtcac caatggacgc gaaatcacag taccagtcgt tgatggtttg agtgagtcac 120
 caagttcgat cacctttgag gaaccaaagt gactcttggt ctcgacacag tttgcacagc 180
 tggcgatcag tctgatgaac atagccgaat caagtgcgct caaagcccgc ggtctcttcc 240
 aacaaggtgc cgcgttcgag agccactcgc ttggcgatac agcg 284

24055-24056

<210> 24057
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 24057

```
agcgctgttc tcggtttccc gcgtatggga aagctccgtg acctcaagaa ggccacggaa 60
gcttactggg gtgagaagat ctctcgtgat gaactcctga gcgagggaaa gagacttcgt 120
gcggagcact ggaagatcca gaaggatgct ggtgtcgaca tcatccccag caatgacttt 180
gctttctacg accaggtcct tgaccacatc caactctttg gtgttgctcc tgagcgttat 240
tccaagtaca acctccaccc ccttgacgag tactttgcta tgggccgtgg tctccagaag 300
cctgccaaagg atggccagcc cgccatcgat gtcccctctt tggagatggg caagtggttt 360
gactccaact accactacgt caagcctact ctccaggata accagacctt ctag 414
```

<210> 24058
 <211> 1149
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24058

```
atttacctca gcaccaagct gcttctcacc cagcactgat gccgctcaac ttcctcaaaa 60
acctcttgcc ctggggcgag agagtcatat tcaatctccc gccatgtcaa atagtcgaga 120
tcgatacagc gcaggagaaa gctgcaagag ccctaaagca cctcctcaaa ctcaaccatg 180
ccaattatgc gatcctgtgg aatgaacgca aatttcacaa ccatgcgctt cactcattat 240
gctcgtttta tttgcttgga gccaacgcag atgacctaaa tcggttatat gaggcggaat 300
taaagccgtt agaagcttgg attgattcac ctgggtgagat tagcacgtac gattggaggg 360
attatctggg aaagagagag tgagatgtct gtctttgtgg catgagaaaa tgctaatagg 420
gctcgttcag ataccaaaga gcgtacgtcg atttcttcga agacgagctt gtccgccacg 480
gctatgattg gaagaccgtc gtgtttcaat acctcttctc aggcaaggaa cctcttttca 540
atgctctggc ctctgatcgt aagtattagc ctttcttaag gaaagcctga tactcacaat 600
gagacagttg gccatcctct catccatctc gcctacgctt tcgaagtctc cagccgtgaa 660
gtcgccatgg aagcccttct ccttgcaact gtctgctacg gcaccgctca caaatacctc 720
```

gatgacccat cctactccca agctgaatcc tcctatcatt ccacgtcccc ctttgagatc 780
ctccagaaag tccgcgctga caagcgcta agcaacctct tcacagcgcc tggagaccac 840
aatacgaaa tcgtcttccg cgatgcggaa gcaacaatcc tcgatcactg gaatgcctgg 900
aagattacgt ccaacagcga ccccgtagaa tcgttccgag aaagtcaaga gcttgctgtt 960
gcattattga cagccacatc aagttctgat aaccgggacg cgaaatacga cttcttcttc 1020
gtccacgtcc tcacgactag tcatgccgtg cgggtcctgc tcccgtgat accagcgaaa 1080
ttccagatcc ccctcgtgcg gcagtgggtg ttaatgactc tngctgtgta tatcgggcag 1140
ctgaagcca 1149

<210> 24059
<211> 245
<212> DNA
<213> *Aspergillus nidulans*

<400> 24059
acggtgacac caagtgtgct ttcaccgaag acgtcactaa gcgctttgag gcctacggct 60
ggcacgtcgt ttgggttaag gacggtgaca acgacctga gggcatcgag gctgctatca 120
aggaggccca ggccgtcaag gacaagccct ccatgatccg cctgactacc accatcggtt 180
tcggttctaa gctccagggc accggcggtg tccacggtaa ccctctcaaa gccgacgaca 240
tcgaa 245

<210> 24060
<211> 627
<212> DNA
<213> *Aspergillus nidulans*

<400> 24060
atgccaaagc tgaagctgaa gtgccgcaa caagtcgagc aaagcacagc ggatagcaga 60
gcacaaaacc acgccgcaa gccgccgagg acgaagagga cgacgagagt gacgaggacg 120
aggccgagaa gcgcgccgct gcgccgcacg gaaaaggact ccgacctaaa gcacgcggag 180
gatctctttg gcgacattga ccttaaccgc aaccggggca agaacaagac aattgttgtg 240
catgacgcct cgggcgaccc gacgcaggct gtagatcttt ccgcgatgcc cctgttcaag 300
ccggcgacca aggagcaatt taccacgttg tcgaacacgc ttgtaccgct tttgaccgcg 360

cagagcaaga agccgcagta tgcactctgg ctgccggagt tgcccaagca gctggccaag 420
gaattgccta gtggagatat taagaagggtg gctagtgcgt tgacgacgct gagcaatgag 480
aagatgaagg aggagagggc agctgataag ggaagcaaga agactaaggc ggctaagaca 540
aagggtgcgc tagttgcgtc gaggagtgcg aaaattgaga cgaccgctta tgatgatgat 600
ggtttggatg acgatgattt tatgtga 627

<210> 24061
<211> 362
<212> DNA
<213> Aspergillus nidulans

<400> 24061

acacgaaaca gacccgtggt gttaagatta ctgtgccaac agaatccttc ttcaacttct 60
ttgctcctcc tcaacctccg gcagatgatg atgataccgt tgcgacggat atcgaggaac 120
gttttagagct cgactaccag cttggagaag atattaaaga aaaacttata ccccgagcca 180
tcgattgggt caccggtgag gctcttcaat tgcaggaact tggatgatgat atggaccccg 240
atgagtttga cgagtttgac gacgaggacg acgaggacga cgatgaggat gaggatggca 300
gagggtcgga ccaagacgtc gatgactccg atgaagaggt ttgtgtttac ccgtacacct 360
ag 362

<210> 24062
<211> 629
<212> DNA
<213> Aspergillus nidulans

<400> 24062

ggctctgctg aagactcggg gccacagcag attgttgtcc gaactccgaa aggtcaacag 60
cgcggttaag ccgacaaggc cattgtcacc attccaccac tactgggaga attagaaaac 120
tttgatctcg atgagcgtga atcggaataa ttccggccgat tcgataataa ctctatttct 180
ccggcgattc tgcgtatgtc ggctccccg gcaacgggac ccaattcgtc aacaaggcac 240
cagagacacc gtataatata gccccgtgc catctacaca tgtattcgag cccactgcta 300
gccgagactt atggacggca tttttcggag gagggtcggc gccgatatct agtaagcagg 360
ctcgacaaac tatactcgat aacgctctgt cactgcgcgc tgcagggtat cctatatcgg 420

accagaaat agttgccttt cgtccccacg ttccgtatgc gttgcacgtt tcttcagagg 480
 atatcgctga tgggttctat cgcgacttgt atgggctgca gggataccgg aatacgtttt 540
 atacgggtgc tgcgttccat tcacatgatt ctgcagagac gtggaagttc accgagaatt 600
 tgttgaatga gcgcgttttg atggactag 629

<210> 24063
 <211> 376
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24063

aagattaagg caactgtcat tgctgagggt caagcggaca gaagactttt acattcaggt 60
 gactgacgac ctgatcggct gctttgggga tgcataccag gcgcgcaaag ccggttctgc 120
 tccaccagaa ctgatgccgt atacgatggg atggacgttt cgtcttccag agatgatgat 180
 tgagagactg gaagaaagag agccgatcgc gctggtgatt atggcgact ggaccatcct 240
 gcttcgctat atgggcgagg cctggtttat gcgcgggtgg gaccaacata tcatcttggg 300
 gattagggcc tgcttgcttc cagcctatca tgaccagatt tcatggcccg aggagggtcat 360
 agcttttgga ggatga 376

<210> 24064
 <211> 367
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24064

atggccattc ctacagcgca acaagcgacc aacggccacg cagagaccat aagcaatgga 60
 caaacgaacg gcggtacagc agatgctccc aactacgcca gaggtacact cgggtctctcc 120
 gctgaagcga cgccgacacc tcaccctgt tccgtaccct tgaacccccca gtatgggtat 180
 acgccacgca aactgcgcgt cattactatc ggcgaggct tttccggcct cctgatggcc 240
 cataaactgc agcacagggtt ttcagagctt caggaatttg ttacgcacaa gatctttgag 300
 atgcgcagcg acgttggcgg gacatggctt gttaatacat acccaggagt gcagtgtgat 360
 gttcctg 367

<210> 24065

<211> 2652
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24065

```

atggacctcc tttccagcct gactccggcc gctggtggag gacgcagccc gcaaattgtg   60
ggctacagac tcggctacgt cgagccttcc actgctgtcc aggctcttcg tggaatcatc  120
caaaacctca gctctccttc tcctatccag agtcttgaaa tcggcagttc caacgttcct  180
actctccaga cccccctcga gcagccccgt attgagaacg cctatctgaa aatcctgaac  240
cagcttttcg gtgagcgggtt ataccttgcg aaccagctta gctcgaacaa cgccggaatt  300
tcttccacca ttgcggccag ccctgagtag ggtttcgggtt ctctgattgc tagaaaggaa  360
caccgccagc gcttcatccg tgaggttgag gcggcttcca agtccaacag ctttgcaact  420
gacgtcgttt ccaaattggc tgccgactgg gctttgaatg cgactgacgc taaaaaggcc  480
aacaggttgg cgccagatgt cattgctcgt ctacgaacg acggctctgc gctttcaaag  540
cagctgctgc agactaagaa gctgttctac agtgaatccc agtggctcat tggttccgac  600
gcctgggctt atgatcttgg taactctggt gttcaccacg ttcttgcttc tggagcggac  660
gtcaacatgc tcgtcattga ctctcagcct tactctgagc gtcccgcagc agaccctacc  720
cgcagaaaaga aggacatcgg tctctatgct atgaactttg gcaacgctta tgtcgcttcc  780
gttgctgtct acagctctta caccaggtt ctccaggcca tggcagaggc tgagcagttc  840
aagggcccggt ccatcgtagt cgcttaccta ccgtacaacc aggagaacga ctccgccctc  900
actgttcttc aggaaaccaa gaaggctgtt gacctcgggt actggccgct ctatcgctgg  960
aaccgccca acgaggacaa gggcgagcct aagttcgctc tggactctga gcgtgtcaag 1020
cgcgagttgg aggagtccct ccgccgggac aaccagctta cccaactaat gaaccgccag 1080
cccaagttct cctctgtcct ctccgagtct tacggtacgg aggtccgcgc tatccagaag 1140
cgcaaggcca aggactccta tgagaagctg ctgaaggtc tctttggtgc tcctttgact 1200
atcctcttcg cgtctgacgg tggcaacgcc gcgacactgg ccaagcgact gggtaaccgt 1260
ggacgtgccc gtgggctcaa gaccttggtc atggccatgg aggactaccc atttgaggac 1320
ttgcccaccg aggagatcgt cgtcttcac accagtaccg caggccaggg agaattccca 1380
cagaacggcc ttgccttggt ggagtagctg aagaacactg gtgacctcga cctgtccacc 1440

```

atcaactact ccgctcttcgg tctcggagac agccactact ggcctcgcga ggaagacaag 1500
 atctactaca acaagcccgc taaggacctt gatgctcgca tcgctttcct cggtaggacgc 1560
 aagcttacag acattggtct cggcgatgat caggatcccc acgcttttca gaccggttac 1620
 tccgagtggg aaccccgcac ctggcaagca ctgggtgttg acaagggtga gggctctccct 1680
 gaggagcctg ctccccctac aaacgaagat atcaagatcc agtccaacta cctccgtggt 1740
 actattgctg agggcctgct cgacgagagc actggtgcta tctctgctag cgaccagcag 1800
 ttgaccaagt tccacggtac ttacatgcaa gacgatcgtg atgttcgtga tgagcgcaag 1860
 gctcagggcc ttgagcctgc ctacagcttc atgattcgtt gccgtctccc tggtaggtgtt 1920
 gctactccct ctcaagtggc gcagatggat gccatcagca gcgcttatgg taacgagacc 1980
 atgaagctca ccacccgtca gaccttccag ttccacggtg tcgttaagcg caatcttcgt 2040
 ggagctatgc gtgcgatcaa caaggctctg atgacgacta ttgctgcctg tggtagatgtc 2100
 aaccgtaatg tcatgtgcag ttcgctgcct gagctctcct actaccatcg tgaagtgcac 2160
 gccgtgtcca agaagattag cgaccatttg ctccctgccca cactgccta tcacgagatc 2220
 tggctccagg atgagaatga caagaaggtc caggctcgtg gggatgctgt tgttgaccag 2280
 gagcccttgt acggtcctac ctatctccct cgcaagttca agattaccat tgcaattcct 2340
 cctcacaatg ataccgacgt atacgctcac gatattggtc tcattgccat caaggggtgcc 2400
 gatggacacc tgggaaggttt caatatactc gctggtggtg gtatgggtac caccacaac 2460
 aacaagaaga cgtaccccca gactggtcgc atgtttggtt acgtgcccgc tgatcaagcc 2520
 cacatcgttt gcgagaagat tatgcttggt cagcgtgact atggtgaccg caagaaccgc 2580
 aagcacgccc gtctcaagta cacaattgaa gatatgggcg tccaggcgta caagcacaag 2640
 gtaaaggctc tt 2652

<210> 24066
 <211> 681
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24066

atggcgaccc cgcaggaact tgtccctcga actgaatcca tcgctgaggt ttatgccact 60
 gacaatgcct ctgctactac tgccctacca gaacatgtca agcgggtcaa caatctagtt 120

tctcacttcc acaagcaata taaccactcc cccgatttcg ttgcccgcag ccccgccgc 180
gtgaacatca ttggagagca catcgactac aacctgtacg atgtcctccc tacagcagt 240
agcgtcgacg tgattatcgc cgtcaaggtc gttcccacag agagctcaga atcggctgta 300
aagattgcc aatgttctgcc tgacaagttt cgcacgcgtg agttctctgt gcccaaggac 360
tcggacgtcg aaatcgaccc caagaaacat gaatgggtga actactttaa ggctgggtta 420
gttgggtgcac ttaaagtttt gcgcaagggt gctgcagatg gttcgtttgc tccggccagt 480
atggaagtgc tagtcgacgg gaacgttcct cctgggtggtg gtatctccag cagtgcagct 540
tttgtgtgct ccagtgcgt ggccgtcatg aaggcaaaca accacgatgt ctcaaagcag 600
gacttgcttg atctagctgt cgtctcggag cgtgctgtcg gtgtctattc tggagggtaa 660
gttgccctcg tcatctattg t 681

<210> 24067
<211> 1422
<212> DNA
<213> *Aspergillus nidulans*

<400> 24067
gggccatact tccaggacta ctccattgat cctgccctgg tcgactcctt cagtttcgtg 60
gacagccttg gtgcatatgg tcccgaacttg acccagcctt cctttcagaa tactgggttc 120
ggtgattcat atactgacat gggcaaacaa aattttcccg ttaccacttc agaggggttt 180
ctgtctggtg tgtcgaccgc ttccggctct tcgattgcc a gcgttcttc atcagccatg 240
ggctcgcctt actcggcaaa tacgcaaacc tttcaagagg attgggttga cacaaccac 300
ggtttgagcc atcctactgc agtcatggga gatttgtttt ccaacgagag tatggtaaac 360
acttttgacg cggaggggtt ttaccaaag aaatcagata gctttgctgg tgagtggctt 420
tcggaatctt atgctggagt tgagctgaca ttgacagac ccctctctta tccagcccat 480
gcagcaaccg caactcactc ttactcctgc cgccatttca taccctgaac agcccgacta 540
caacctggcc ccaaccagct tctacctca gtctccgaa ccttctcgat ttactatgc 600
agaaaattac atgccgaagc aatcattccc gcaacaatcc aacctcgcc ctccctcgcc 660
aataccctca ggccctcact ctgcctctgc gtctatatat gatcgccggt cgtcgatata 720
atccatacac tctcgtcctt cacaagcaag cccagctccc agcggtgctg aattcgaagg 780

cgatgtcaag gagaaggagac gttgccctca tcccgaactgc gggcgtgttt ttaaagactt 840
 gaaggccac atgctcacc atcaatcgga acgacccgaa aagtgtccga ttgtgacctg 900
 cgagtaccac atcaagggtc ttgcccgtaa atatgacaag aacagacaca ctctcaccca 960
 ctacaagggc acgatggtct gcggtctctg tcccggctcc ggctctcccg cggagaagag 1020
 tttcaacagg gccgacgtgt tcaagcgcca tctaactca gttcatggtg tggagcagac 1080
 cccaccaaac tgccgcaaga agagcccggc tgcctcttct gctaagagcg tctcggacta 1140
 ctgccaagat gcgacgggca agtgctccac ttgctcaggc accttcagca acgcacagga 1200
 cttctacgag catctcgacg actgtgtcct ccgcgttggtg cagcaagagg aaccacagca 1260
 ggcgatcaac caacaagac ttgcagaagt cgagtcggat gaggaagtcc agaagacaat 1320
 ggaaaagcac aggctactcg acacggctgg ctccgttgat caatacgacg atgaaaacga 1380
 tgacgacgac gatgatgact ctgacgatcg acgaccagcc aa 1422

<210> 24068
 <211> 1676
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24068

ataatccgta tgtgccttcg ccgccgagcg ttgggcctgg gccggacgaa agctcggagg 60
 ggctgcgac tcattgagact tttggctcga gcgcggcctt gagcgtgctg ggtgcaccgg 120
 cagggaactg gacaccaccg agcggatccc gtcacagttt tctcgatgga tcatatcagg 180
 gtgtagcgtc gggaccgtac cagcgacatt ctgcctacag ctgcgaggac tatcctgctg 240
 acatcaaccc ggatgatatt cttgacgatg gagatgatgg ttttgccgca gcccgcgtcca 300
 acaaacctaa cgcagctgga ggagcagcca ctggcgggtg ggctgggggt cttttaggag 360
 aattcttttg tgcaaagaag gcagccgatg cttcttatga tcctgttccc ggcgaggcc 420
 tgccatctgt cgaagaagtat gctaaacctg gaccctccgg tgcgagccga aaacgtggct 480
 ggattatagg gggcatattg gctttcattg ttattggagc tattgtcgga ggcgctggtg 540
 gcggcacgtt gggcaatcgc aggtctgaga ccgcatcaga atcgctccgaa gtatctgcag 600
 atgatgacac ggagaccaac ggtgatctcg acaagaactc ggacgaaatc aagtctctta 660
 tggccatgga aggggttcac aagggtgtcc caggcatgga ttacacaccc tggggcgctc 720

aacacccgga gtgtgacaaa tggccaccat cccagaacaa tgtcaccctg gatatggcag 780
 tgctctcgcg actaaccaac accgtccgcc ttacggcac agactgcaac cagaccgaaa 840
 tggctctcca cgccatcgac cgctcgaac ttacagatat gaaactttgg ctcggcgttt 900
 ggattgacac aaactactacc accaacgaac gccagctctc ccagctctac gacattcttg 960
 acaaacgctc cgatcactct gtcttttaaag gcgctatcat cggcaacgaa gctctttacc 1020
 gcgcaggttc cacaaaggaa gaagcgcgca agaacatcat cgactatatg cgccaagtcc 1080
 gcaagcactt taacgaccac aacatcgaca taaaagtcgc gacctccgac ctcggcgata 1140
 actgggacga aactctcgca gatgccacgg atgtcgtcat gtcgaacgct cacccttct 1200
 ttggaggcgt ggaggtcagc aaggcagcgg gttggacctg gagtttttgg aactcacata 1260
 acgtccact tacacagggg acgaacaaag gcaatatcat tgccgaggtt ggctggccca 1320
 gcggtggagg aaacgattgc ggcgacggcg ccaactgcaa ggatgatacc tctggtgctg 1380
 tggcgggggt caagcagatg aaccagttta tggcagactg ggtctgcccg gcgctggaga 1440
 atgggacaga ttatttctgg tacgtttcat ccatccacct accgtgcac cctcaatcc 1500
 ttggagtcat tagtactgac aggaattaca ggttcgaggc ctttgacgag ccctggaaaag 1560
 tgaaattcaa caaaggtgac gagcagtgga aagacaaatg gggctctcat gaccctggct 1620
 gcaacttgaa gcctgggatc gaaatcccgg attgtggtgg caagacggct gcatag 1676

<210> 24069
 <211> 1033
 <212> DNA
 <213> Aspergillus nidulans

<400> 24069
 atgccccaca cccgccgcaa aaaaccgtcc ccctcgaga acaagcgcct ccaagtcaca 60
 gacgactccg gctggacgca cgtcacaacg acaaacacg ctgccgcat ccgacagccg 120
 agcgtaaacc cgaattcagg ctcgagctcg actgggaacc gcaatggtct agagaaagat 180
 gccgcgaaag aagaaatagc cgaggaactt gtccccgccg aagcaccaca aaagaccaca 240
 ctgtccgacc tccagcggca gcttgatttg tataaacagc gatgggagga gtcagtgacc 300
 tgggattgtg ttgttgaggg cctcaggcgc ggggtgcct ccttgctggc ggagcgtgga 360
 agcagcagca acagcgacgg tgacggcgaa aaagaggtca aggataaaga cgaaaatcag 420

agcaagaatg gcatctcgat tatctgcac ggtctgggaa gtcccagtgg ttttctgcgc 480
 ggcggttggg tcgatcgctg cgcctgtctca atgtaccagc tcgctgcatt ggcgagtatc 540
 ctggaatgga ttggttcggt cccctgcccc tggacctata cttgaacgca aaccctaac 600
 ttctcaatga ctgctaggag aaagcacctc gatgcagaac cccaaccccg gaatgagagc 660
 ttacgcgcaa gatcccgctc tcaacaccca cgacgaaact ctactcaacg agctaaagat 720
 aaccgtcctc acgcaccccg gcgccttcca gaaagtgcg ccgaaaacc tcttttttg 780
 tcttggggca gaacggcgct atattgagct ccttcttgcg cacgatccgg cgattgtggt 840
 cggcggggcg ctagaggata tcgagtcgga tgttgtagg cggtttgtgg agaggaggga 900
 gtcagtcaga ctgaaggagt ttgcggagct tgagacggcg ttctggggga tgaggattta 960
 tttcccgct tctggagccg agaagcaaga taaggtttcc agtagaattc aggagggggg 1020
 agctgaggga tag 1033

<210> 24070
 <211> 847
 <212> DNA
 <213> Aspergillus nidulans

<400> 24070
 atgtcaacgt cgcctgcacc atggctcgcc gcggccatgc tttgcatcgg cctggcgaat 60
 gctcacaccg ttatcgtcta tcttggtatc agaggcaata acctacacac aactgggacg 120
 gttgaggagg ctgacggtct cgggtattgcg tggagcagcg acaacgagac tttgatctat 180
 ccatatggaa tgcaatggtc ctatccttgt atgtcatcac tgcattatct tccatcgatc 240
 tgatgacaat ctgtgctgac acctctagc gcgggcatgc ccacgtcaga gaaccgaacg 300
 aaatggcccg tgcaaggggg cgccttatcc ttccaaccag gctggtttca gggccattcc 360
 cgagctcaga tctatatcaa cattgggctg ggactgtgc cgccgaacat gagccacccg 420
 atgatcacgc cctttgagat cgtcggccca gacaacgacc cctaccccg cacaatctgt 480
 cttcctcaag tcaggctgcc ggccggaatc gaggtccagg tgggggataa cgcgacgatc 540
 caggtgattg agctagctca gcatggagcg gccctgtaca atgtaagtca tgcccgttct 600
 cttccctagt gctcgctaga agatctaag cggcatttag tgcgcggaac ttaccttcgc 660
 cgaacccgag gatgtcgctg aagtcaactc cacaactgc ttcaattcgt cacacatctc 720

cttcgagaca atcttcacaa cttcctccct agaaaatgcc ggactcgaag ctgtcacagt 780
gccgtctttc ctactgccg tcgttccac gttcctaggc atcgcatagc gccttctgat 840
ggcgtag 847

<210> 24071
<211> 654
<212> DNA
<213> Aspergillus nidulans

<400> 24071
ctcgatactc tcggatcctg gatagacgag gattttctta tcctcctccc ctccccagtt 60
ccgccaccat cattcgaaga tcattcttca gaatcagacc cagaattgaa atcccaatac 120
cacctcgaag cctatacaac ttactatccg gctggctttg acacacgcaa gaagctctct 180
ttatcgctat ccgcaattca cgccccactg cccggataca agcagaaact ctccaagagc 240
atggatcggg tcttcgaacg gcttgaagtg ggcaaagcag ttgtgcgctg gaactggagt 300
attatgccc aaggcatggg gctgtttgct gcgtttggag gggtgcataa tcattcccct 360
aatgctgaaa gagggaatga aaaggtggaa aagttacatc cggaaagctt tgacggagaa 420
gacacgttcc tccgatgcga gaggcagacg ctacatcggc ttccgaacag taaggcgctt 480
ctgtttgcgt tccatacgta tacgtatcca cttaaggatg tcaaagagga ggggctgggt 540
gaggagctgg cgattgcgat agatggacta aaggaaggca gtgtgccgga gatccacgag 600
tacaagaacg ggccatattg gggagaagct gtgaaggctt ttttgcgctc ttaa 654

<210> 24072
<211> 279
<212> DNA
<213> Aspergillus nidulans

<400> 24072
gccaaaatgg ctgctatcca agaggggtgct gagaagaccg gcaaggctcg gcaatacgtt 60
ggtagcggtg atgttgctat gaagcaggtc cgtgttgagc tgcatcagtt tgacaaggac 120
agcgccattg ccggactcaa gggcagcgac aacattatct ctttctacac tcgtaggtac 180
ggcagcaacc cactcattgt gcaggggtgct ggtgccggag gtgatgttac agctatgggc 240
gttacggctg atctgctgaa gggtattgag cgtctgtaa 279

<210> 24073
 <211> 454
 <212> DNA
 <213> Aspergillus nidulans

<400> 24073

cgatgacgga acgatcaagc ggtgggtttat tcttgcgagc ttcggagcgt ccggtcacac 60
 gtcgagttcc ggtagcgatt tggatattac gagctacttt acccaccggg gtcacgttgg 120
 agctgttact gctttggcgg catgctctcc atcgcagaac ttttcgaacg gtggccgcac 180
 ggttggcgat ggctgggttt tctccggtgg gcaggatgct agtgtacgag tctgggaaag 240
 gggcagggta gatcccaagg caactctgga tggccattcc gatgcagtct ggggtctatg 300
 cgtccttccc ggaacagcag gctctatatt tggcgaccag tctagccatt atggcgggccc 360
 cgatcgcgtt attctcgctt cgggcgcgcg tgatggcaag ataatcatct gggcggtaag 420
 tggaccgcct caactttcct caccacaagc tgga 454

<210> 24074
 <211> 718
 <212> DNA
 <213> Aspergillus nidulans

<400> 24074

ggatcaccgg cagcaccaac attcttgtcg ccggtatcta caactgccta ggccctctcg 60
 ccaatctcct ctttatcctt ttcgttctcg acaaagtcgg acgccgccga cccatgctct 120
 ttggagcaat cggattaca atcgcgctgt tctgcgaggc ggccttgaac tctcagaacg 180
 aagacgggca ccgtagaggc tacagtatcg gcggtgtctt cttcattttc tgcgtcacca 240
 tcatcttctc ctggctcctt gggccttgca gttggtacgt ttctgtagct tccattacat 300
 tcgcagaact gacaggaaca gggctctacat ggcggaagtc atgcccatgc agatccgcgg 360
 ccgcggaaac gccttcgcta ccggcgtcgg caattggact gtcagcacgc tctggtcgca 420
 agtgtctccc atcgctctcg gcaagatcgg gtggaagtgc tatttcatct tcgcaggctg 480
 gagtacgtcc gcccttcaac cccatcccct ctgatccaag aatactaact caaaaccaga 540
 tatatgtgtc aactacctg tagtatactt tttcttcac gagacgaaac aaaaatctct 600
 tgaagagatc gatattctgt tcggagggcg tgcgctggga accctgccgg aggatatcgc 660

ggacaaggac aacgaggtcg tggctacgac agagcaccac gataagaggg aggtctga 718

<210> 24075
 <211> 263
 <212> DNA
 <213> Aspergillus nidulans

<400> 24075

agcaaatacag caccaatgtc accgagctct tgggcgtccg acacccagtg ctcttggtg 60
 gcatgtttta tggtgcttcc cccaagctcg cagccgccgt gaccaatggc ggcggccttg 120
 gagtgattgg gggagtcgca tatactccag agcttctccg cgaagccctg aacgagctca 180
 agagctatct cgtagaccgc agtgcgccgt tcggagttga cctaataaac cccaaagtcg 240
 gcggcggcgc ccggaagacc aag 263

<210> 24076
 <211> 276
 <212> DNA
 <213> Aspergillus nidulans

<400> 24076

tctgccatcc ggatactgaa cattgcgtca tgtcgccata tttcttatgc ggccttcgaa 60
 gaagcgtttg cggagggcaa aaactatcct aacttgaaag agttggatgt ctcatctcac 120
 ggcgtgatgg atgactatct tgtgggtcgt attctccaat gctgcccagc aattcaaaag 180
 gtcgttgcat tcgcttgctt cagcgtgcga gaacctcagg ttcccaaggg ggtgtcacta 240
 atcggcggtc tacgcactca agattccctt gcttag 276

<210> 24077
 <211> 664
 <212> DNA
 <213> Aspergillus nidulans

<400> 24077

tcctgtgcct tctggctgga cagggtcaga gactatgtac ctgttgagat ctgtccacta 60
 cccaagctcg acagcactcc aaatatgcta acctcgaaaa agcgcaatcc cctagccctc 120
 cactcaatca cagaatcctg caagaccatg tccgtcacia tccaaactgt ctccctgctt 180
 tcctacgcaa aggccacgc gcaccttctc ggaacccgtg acgtcgtgtt cgggtcaagtc 240

ttagccggcc gaacactgcc tcacctgag gcagaccgta cattaggacc attattcaac 300
 actgtcgcgc aacgaataac gcttgatccc acatttatga gtaactgcgc tcttgcgcaa 360
 cggctccaaa gggatggcgt cgaagcacia agacatcagc atgcaccgct gagaattatt 420
 cagaatacgc tgcgtcaaga gggaaatctt gactcgaagc agttgtttga tgcactcttt 480
 gtgttccaga agagtgcgc gctctctcag ggtatcctga acgagcagga gatttggaca 540
 tcatatgaag atgaggattt cgtcgttgac gcggaatata aactcaatgt cgaggttgac 600
 cattctcacg acgaggacga tgttagggca acggcaaattg gtgccaacca taaccagaaa 660
 atgc 664

<210> 24078
 <211> 1356
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24078
 agcaaacact tgttcggtgt cttcagccat gccaaaaacg cttaccgcga gcgcaaggct 60
 caagttcaag ccgagcggaa tttgaagatc gcagagaaaa ttgctgagcg agaagcactg 120
 agggcgcttc agaactatac tattgaagat gcccacatctg tcgcgtcttc gcagaggagt 180
 cgttcgcgac atcatcgcca tcatcatcat catcatcatt cgagtcgaag ccaatatcaa 240
 tacgaccgcc cccgcggcgg atcgggtctac gaagaggatc tacactcttc cgcgtcgcgt 300
 gcgcggtctc actacgagcc tccaactgaa atgggtccggc gtcacactca tcatgatatt 360
 accattcgag aaccggacgc tcgcctgtt actgctcgtc ccaaaccga cgcgcatata 420
 gatatggacc tagcctatgg cgagttccac ccatccgcca tagctccgcg aggatctcca 480
 caagatcagc agcttcagtc gatcgacgat ccggaactga acggccttgt aagccgcgca 540
 cagtggttat tggaggaggc caactgcgtc cagcacaccg cgacagccac catcgaccat 600
 cttcaaaaaga acccagatgc tatggcagcg gtggcgctta ctcttgcgga aatcagcaac 660
 gttgctggca agatggcgcc gtcggcgctc acaatgctga aaacctcagc gccaatgatt 720
 tgggctttac tcgccagccc gcagtttttg attgccgctg gtgtcggcct cacagccacg 780
 atcgttatgt tcggcggcta caagattgtc aagcagctac aacagccttc gcgtgctctg 840
 cgtgaagaag tattcgaaga acaatccgac ccagacaaa tggacgagat gattgaattc 900

aacaccgact gcctcaactc cgtggagatg tggcgacgag gtgtagcaga cgcagaggcc 960
 gagagcgttg caaccgtgga cggcgagttc atcacgccc gggctgccgc aatgtccggc 1020
 atcgacataa ccaccgccc catgtcccgc gacccccgct tcaagttcga cgatgatgat 1080
 tccgttgcat cttcccgcgc gtcccaccgt tcccgccatt ctcgatctac gcacagtcac 1140
 agccatgccc caaccaaagt ggatacgagg gcagaatcga tcttttcaag acgcactaag 1200
 gccgctcctt ccaaagcccc gtcaaaggcg cctcgaagg ctccctcaag ggctccctca 1260
 acatccgagt cgcgatattc cgacaaagac aagagcaaga aaccaagga aaaggtgaaa 1320
 cggctctagtc gcctgcgcct gatgttcact gcttga 1356

<210> 24079
 <211> 426
 <212> DNA
 <213> Aspergillus nidulans

<400> 24079
 gtttgggaac tcgcttctg ccgcctccag accgaccaca tcggtcacac tggctacatc 60
 aacaccgtca ccatttcccc cgatggatcc ctctgtgcct ccggtggtaa ggacggtgtc 120
 actatgctct gggatctcaa cgagtccaag cacctctact ctctccacgc cggatgatgag 180
 attcacgccc ttgttttctc ccccaaccgc tactggctct gcgctgctac cagcagcagc 240
 atcaccatct tcgaccttga gaagaagagc aaggctcgacg agctcaagcc cgagtacatt 300
 gagaagggca agaagagccg cgagcccagag tgtgtttctc tcgcctgggtc cgctgatggc 360
 cagactcttt tcgctgggta cactgacaac aagatccgcg cttgggggtgt catgtcgagg 420
 gcgtag 426

<210> 24080
 <211> 531
 <212> DNA
 <213> Aspergillus nidulans

<400> 24080
 acaccgtggt tgaccggcg agatgctgca atggctctta ccaatttggc ccaaacttac 60
 ggagaattgg acaagcacga cttggccctc ccggtcttcc tgcgtgcttt agaactactc 120
 cgcaagatg aaggcccaaa accgaccgct tttagttct acctgctagg cattattgcy 180

tccacactca acgttcaatc gctgaagcct cttcgagcgg acgatcccga tgccgcgcgc 240
aatcatctag ttggccatgc caggggaatgg gcaatgactg ctaataaaat aatggacaag 300
attccccgaca atgagaaaaga cgagtcatat ctcttgggggt gtatatctgt taagaacacc 360
ctaggtcagc ttgctgagcg gcagggcgag ctggaagagg cggaaaagta ctacagggaa 420
gcaattgata ctgctaaggt ttatgccagt cactcgacaa tggttgaccc acgacatgag 480
gaggtggttg atgatttaag agcagctgtg gaaagagtat cgaagagata a 531

<210> 24081
<211> 1808
<212> DNA
<213> Aspergillus nidulans

<400> 24081
tgtcttgggg cagccgctgc aaataacctt cattgctact accgtgcttg ttgctaatac 60
gataaaatcg gacctcgccg ccgacgtcct aaaacacgca gttgagcgt tccagcacag 120
tgttgatgcc ggtgcttggc gcgaagtcaa gcttcttgta cgctatctcg gatgcttaca 180
atgtatatag taggggggatg gcgcctttgc gatcttggag gaactttttt cccgtgctgt 240
tgatcttcaa accgctctt ccgaagatgt aggctgttct tacttctttg gtatggaagt 300
gtgctgacat ctgcattttg tctagctaata tggattggag ctcgtagaaa tcattctata 360
cacgatcccg tacatcatgg cctccccggt cagcgggttt gaaagtcagg cgctgggcct 420
actagaaaag actgatata tgcacatctac gccgcatacg cttgtagact tggcgaaccc 480
cttcggacct gatagtcaga aatcggcgac tgttcccagc gttatcagcc tactccaaag 540
ccagctacaa gccgaagcga gtcgaaattg ggaactggag tgcttgcccc ggccatgggc 600
aaatgtaaga gaaggcgatg aagaaccgaa gcgtcttgaa gaagggccga agcatgtgtt 660
acctgatatc acgataccga gccccgtact aaatggatcg agggcaatct tcccagaggt 720
ttttctgtct gtctatggag atcaggatat tgagacagtt ccatcaacgt caaacattgc 780
ttcttctctg ctgagagacg ctcttggtga caccattaac atcatggact ttaaccgcat 840
tgcaacggca aagttcctga ttgatctcga ctgttatttt acaccagca tcttcgtgaa 900
gcgtgccact ccattcgata agttgcgcga tctccctgat gaccggacaa cgtggaaacc 960
ggaggacgtg gctgtagatg ctgttttctc tcagctgttt caattgcctt cacccgagca 1020

caaacttggt tattaccatt ctgtcctcac agagtgtgc aagattgcac cggcggccat 1080
 tgcgccgagc ttgggtcgcg cgatccgatt tctctatcgc agtctcgacg taattgacct 1140
 ggaacttagt caccggttct tggattgggt tgcgcatcat ttgagtaatt ttgggtttac 1200
 ttggaagtgg agtgaatggg tgggtcttta tcataaccga cacgcgtgcc acaacattgc 1260
 taactaacct ggaataggat tgaggaccta gagcttcccc ttgtacatcc aaggatggcg 1320
 ttcatcaatg gcgcgctaga taaagagatt cggctgagtt ttgccagcg cattcgggga 1380
 accctcccag atccttatca agacctcatc tctgaaggaa aagagaagga caccctgac 1440
 ttcaaatacg catctgacag tgagttgaac tgggtgatgg aaaacgaatt cttctttgga 1500
 acgctaactt tccctcttca gcgacgcct atgcaaatga aggcagagaa atcatgcagc 1560
 tcattcgtag aaaggccgca gacgatgaaa ttcaacctca catcactgcg atcgaagagc 1620
 gagcagctgg tctgggagtt gagatcccc tgttaccctc cacggatgcc ttcgttacct 1680
 ccatctgctt cgtaggcgca aaatccctct ctacgttct gtctgcac gagcggaaca 1740
 aggaacgcct cttggcgatt ggacccaagt cacctggtgc gcgtcgcaa ttatcacatc 1800
 agtcatga 1808

<210> 24082
 <211> 288
 <212> DNA
 <213> Aspergillus nidulans

<400> 24082
 gacgaaggaa acattttcga ggcgacgccc gaagaccgtc gccagatcgg tgtcgtcagt 60
 gcacgtttcc tgatcttcaa tcgcgtcatt ggaaccggta tcttcgctac cccgagtacg 120
 atcctgtcgt tgtccgggag tgtcgggcta tcgctattca tgtgggttgc tggcactttg 180
 attgccgtcg ccggtactgc ggtctacctg gaatggggta ctgccattcc taagtatgtt 240
 tgttccatac aatgttcaaa gttagggtt gtactaacca gactagga 288

<210> 24083
 <211> 336
 <212> DNA
 <213> Aspergillus nidulans

<400> 24083

atggccatgt cgaagattgc taccctcgcg ggtcttctcg cctctgctgg cctcgttgca 60
 gggcacggat acgtgacgaa gatgacgac gatggagaag aatatgggtg atggctcgct 120
 gatagctatt actacatgga ctgcgccgcg gataactacg gatggagtac gacagtgacc 180
 gacaatggct tcgtctcccc cgatgccttt ggtaccgacg acatcacctg ccacaggggc 240
 gccactcctg gtgctctctc tgccccgggtg acagccggca gcaagatcga taccacttgg 300
 aacacctggc ccgaatctca taagggtggg tattaata 336

<210> 24084
 <211> 404
 <212> DNA
 <213> Aspergillus nidulans

<400> 24084
 ttcaaccggg cgtcacgcag gcatcagatt ggctcaagac tcatcgaaaa ccagtcgaa 60
 ttgcacgtcg aaaggagaaa gacgtagcca aggatttgaa taaagaagag cggaagaaac 120
 aagacagcga cgaggtcgac gacgagccgt tggtcgtcga caatctgctg gacatcggcc 180
 aggagacgga cctgctcgct gaagcgaagg atatccgtga cgagctgaac atgatccgca 240
 tggctcctgca ctaccagaaa aacgtccttg acgacttcca tgaagttgtg ggagagatct 300
 atctcagcca gggccaaagc cagagagata tcaagaagcg gtttgagag cagcagcgca 360
 cgatcgatat acacctgaag gacattgacc gcatggacaa gcaa 404

<210> 24085
 <211> 336
 <212> DNA
 <213> Aspergillus nidulans

<400> 24085
 accccttcgc gtccctgggtgc aaaagataga ccaccggttc aatttcaatc gcaattccac 60
 cccactcacc aagctcgtct actctgtaac caccaagcta gctatgtcgg tcagcaatac 120
 actcggccga gatgagaaat actccccaac agtagagaaa gtcgaggatg cagggcacgc 180
 tgcgctcaac aacatcgatt acgatgagga gttctcgccg gaggagcaga agagaattat 240
 tcggcggatc gatctgcgcc ttgtcacgat cactggactg gcgtactgcy tttcgtgat 300
 ggataggacg aatctgagta tggccgctgt tgcggg 336

<210> 24086
 <211> 1313
 <212> DNA
 <213> Aspergillus nidulans

<400> 24086

```
cattcgggtga cgccgccgca ttctgtctcg attactatct caaacccaat aatgtcagtc 60
gcctgtgcgc gctcatctgc tactatccta ccagcatccc cgacattcgg tcgcgatacc 120
cgccgtcggg gcagatacta acacacctcg ctggcgatac cattgacgtc gtcacgacgc 180
cgacccttct gggactccag ggcaagaaga agagatcgac caggcgtatc aacccccgaa 240
tcgggacggg agaactcctc gacatcggac accgcgcgta cacttactcg gacgcccagc 300
cgggttttgc ggaagtagac ctggatgagt accaccggct agatgcagac ctcgccttta 360
cgcgcacgct tgaagtactg ccaaggcgta cggtcgggag ggtgatctgg agcagccgtg 420
ggaggagcat ttgcagggta cggtataatc ttccctattc gattgcaatc catggctaac 480
ctgcggacag gcaagttctt ctccatgaat cttagcgata caatgtccca ctacaccaag 540
aaccttacct cactgccac ctatgtccca accctaagcg gacgccacgg gtcccgcgcc 600
ctccgtcggg tctacgatca gtatttctc caaaaactgc ctcttcaat gcatctccgc 660
ctaattcag caccgtcggg gctgatcgcg tcgtcgacga gctgtatgtc tcctttgaac 720
atacgcaaga gatcccttgg atgctccccg gcgttctcc cacgaaccgc aaagtcgaga 780
ttgttctcgt cagcatcgtc agcatgcgcg cgaaacagct ttactcggag catatctact 840
gggatcaggc tagtggttct gtgcagggtg gcctgcttga cccgaagctt gtgccgaagg 900
agacgcagga gaagggtgtt gatcgggtgc ctgttattgg gcgcgaggct gcgaggagaa 960
ttttggatga ggaccggag gtagaggagc cagagtttca taatcggttg atcagaaggt 1020
cgaggcagag gagggagagt ggtagggttg ccgagagctc ggtgccgcag tcgcccattg 1080
tgcagtctga ggcggagggg tctgggccga agaaggggaa gagggccggg cctcaaaatg 1140
gggagcaaaa tggggagaag agtggcattc aggctgggga tgatggtgaa gggttgaagg 1200
atggtcaaga ggatggggat gccacaaca gccatgttga agagcgggac ggagctgaaa 1260
acaagaagga ccaggagaag gacaagaacg agctcaactc tgaatctaata tag 1313
```

<210> 24087

<211> 201
 <212> DNA
 <213> Aspergillus nidulans

<400> 24087

aacatggacg cctatgattc atacattgga aagccggtca cagagctacc gactccggct 60
 ctagttctga gcaaaccgac cattgagcga aacatcaagc agcttcttca ggatgttgag 120
 aggctgggga ttgcgtttcg gccgcacgtt aagacgctca aggtacagag ccattcaacc 180
 aaagcgcagt tcgcaagcta a 201

<210> 24088
 <211> 921
 <212> DNA
 <213> Aspergillus nidulans

<400> 24088

ccgcttctgg ccttggacgg ttatatcaac ccatcgtaa ccgtcacggc tgtcaattcc 60
 cagcaggctc aggtcttcac caactacgtc ctgcgttcgt ttccatgctt cttccgggtgt 120
 acagaaacac gagtccctgt caattgggtg gaatatgttg atcaaagggg cagctcgatg 180
 aactcttgtt tcgactgggc cgtacgagca tgtacatctg catatctggg ctcccttcac 240
 gacgatcagc gatatttggg tgcgtcgcgg agcttatacc accgtgctct tcgcggcctc 300
 ggcaatctat tatctagcga aaagaccgcc aagtcggatg aggttctagc gtcggcgatc 360
 gtattagcca ttttcgaaaa gcataactgc agcagcccg g atgctgggct gcgacatgcc 420
 gccgggatcc ggacgctgat gaagcttcgt gggccgaaag cgcactctgga gggctttggg 480
 cgcgcgatgt acattgtata ccgaaacttt ctcatcagc cggcttttggg tgaaggcgaa 540
 gcttgctttc ttgaagagcc tgagtggcag gcgctcaacg aggagatcgc cgccagtgat 600
 gccaaagtac cgacttcttc gctgtataca gacgtggtcg agagaggatt cctctcagta 660
 attaagatcc cggggctcgt gaaacgaaca cgcgaactcc agtgtctttc atcgaagaag 720
 agggcggaag ttcaaccggc actcctccaa gacgtgcagg caactcgagc tggacttcga 780
 ggcatataca cggaatttgg agtcgcagta tcaatgcttc gtcggggcca ggatgaaaac 840
 gataccttcg tggggcctgt cccgaatttc ttcttcgagg gctactcttc tctttttgcc 900
 cgaggcgtcc gcttagatta a 921

<210> 24089
 <211> 549
 <212> DNA
 <213> Aspergillus nidulans

<400> 24089

```
atgttttcga ggctcctttc caccacggtc ctagtggccc tggccctcac aagccaagca 60
gccagacct tcagcaatac cggcaccatc gctggctggg acagcaccaa ccaagaacac 120
cgcggcaccg tgcaagaagt cagcaacgtc gccttcgaag gttcccaagc cctaaaagta 180
acacaagtct acgattccag ctacagcggg cgctaccact cggagctcgt acataacgcc 240
ggctaccgcc gcggcgaaac ggttttttat ggctttgcgt tccgcctgca acaggattgg 300
gactttacga gccagtcgta caatctcgcg cagtttatcg ctgatttcaa cgattccggg 360
tgcgacgact ggatgccctc gacaatgata tggctgcaag gaaaccagct ctactcgcgc 420
gtgaagacag gtaccgtctg tgcgcagcag acacagacgt ttgcgaatct agcgtccgtc 480
tcggcgggtg aatggcataa aattgttttg caggtgaaat gggagtctga ctcgacggga 540
tttttcaag 549
```

<210> 24090
 <211> 1014
 <212> DNA
 <213> Aspergillus nidulans

<400> 24090

```
atacaaagtc actcgaggtc ttctggaccg cttcggcccc aagcgcgtta tcgatacacc 60
tatcacggaa gctggctttt gcggtctggc ggtcggagct gctctcgctg gattacaccc 120
aattgtaagt catccttcga tgcaggcgca ggctcagaag aagcccgcag gacattgcta 180
acaagggcgt cttaaccagt gtgaattcat gactttcaac ttcgcaatgc aggctatcga 240
tcaaatatca actctgcagc caagacgcac tacatgtccg gcggcattca gccttgcaac 300
atcaccttcc gtggtcccaa cggttttgct gctgggtgtg ctgcacagca ctctcaggat 360
tactccgctt ggtacggcag tattcctggg ttgaaggteg tggctccctg gagcgctgag 420
gacgctaagg gtctcatgaa ggcagctatt cgtgacccaa accccgtcgc tgtccttgag 480
aacgagtatg tgaatcacct caaaatcact ccatcgaagc gtatcacaac taatcgtgtc 540
```

cagacttcta tacggccagg ccttcccat gtctgaggct gcacagaagg acgattcgtc 600
 ctccctattg gcaaggccaa gatcgagcgt cccggcaagg acctgacaat cgtctctctc 660
 tctcgctgcg ttggacagtc cctcaacgct gctgctgaac tgaaacagaa atatggtgtc 720
 gaagctgagg ttattaacct ccgttccgtc aagcctcttg acgttgagac gatcattcag 780
 tctctgaaga agaccggccg cctgatgtgc gtcgagtctg gtttccctat gttcgggtgtt 840
 tcctccgaaa ttctcgctct gtccatggaa tacgggttcg actacctgac agctcctgcc 900
 gttcgtgtta ctggtgctga ggtaccact ccttacgctg tgggattgga gactatgagc 960
 tttccccaag aggacaccat tgttggccag gctgccaaagc ttctccgatt gtaa 1014

<210> 24091
 <211> 374
 <212> DNA
 <213> Aspergillus nidulans

<400> 24091
 acttcgaaaa cgaccaacgc aacgccaaat cccatcccga caatgccgcc tttctaggca 60
 gcggcgagg gtcacccctc cgcgcgaaca ggtctccagg aggcacacca accaagcacg 120
 catggtggtc aatccactac tacgagcaat atttcgacgt ggacaccaat gaggtcctcc 180
 gccgctgctt ggcctctgtc taccgcgcta caacatttct cgacgtcctc gaaggcaatg 240
 cagacctcta cggccctttc tggatcgcaa caacgggttat cgtgatcctc tttcttacag 300
 gcacaatttc acaatggctc tcgaacaacg acaaggagca cttcaagtac gacttcacgc 360
 tgctctctgg ggcg 374

<210> 24092
 <211> 442
 <212> DNA
 <213> Aspergillus nidulans

<400> 24092
 gaggccacct tggagcacgt ccttcaattt accaagacga tagagtcact tggctctgcac 60
 ggtcaagagg aactgggttc ctggaccact caagcccctc gtttatggct gactaggcga 120
 agagttgact cgttggatca ggtccgtaag gtgcttgctg ctagtaaagg ggactcgagg 180
 caggtagaga gaatcgaaaa gagacaagtc tctgaaacag atgaggtatt attagacaac 240

tcaacttcgg atgactggga cgccggctgg gatgacgaga aagaaaatgc tcaaaacaat 300
gacgacgaag aagacgttag cgctggggc ttggacgatg atacagatga cccgaaggtc 360
accaaacctt atgatgcac aggggttgac gatgatgaaa ccgggggatgc ttgggggttg 420
ggagaggacg acgaagacga ag 442

<210> 24093
<211> 1567
<212> DNA
<213> Aspergillus nidulans

<400> 24093

atgaccgcca ctctcgaacg cagtctctct cgcacctcca gtgtctctat gccactctcg 60
cctatgatct cattccgcca tgaagctaca actcctatct ccgaatcatc cctttctcac 120
atccacgagc ggctctccgc cattgaatcc cgtctcctcg agctaagatc taccgctctg 180
actaaggatg gatacgtcga ccgacgcaat cgggaagatg agcatatccg tcgagaattc 240
gaagcccacc gatccatcag caacagaatc gacctgaatg ttgttgcatc gagagcggac 300
gttggccagt tgaagtcagg aatattacag ctaaagtcaa gcctcggaca agctgggaat 360
gaaaccgtct tccttcgcag cgatgtggat cgactgtcga agaattgtcga ccagatccag 420
gttgatttag aacatatgca gactgacgtc tgtgggtgtc gtgtggagat tagtaaattg 480
cagtctgcca tcagccagct tcgcacagaa cttatcacat tgcagcatga gacgtcgcgg 540
catttgaact ccttcctcga acgcttttcc cttatcgaag cgcgcatgaa gactccgaa 600
cgtgtccggt ttaactcgct ggctcact acccacgcac ctatcacacc tgttcctatt 660
gttgaggaag atgggtcctt gcgttggccg gattattttc ccaggactgt gtggagggtc 720
tggtgtttga aaaaacgcag tcggcgtaag tcacataagt gaataccccc ccaaaccctt 780
ctaacacact ctagacaacc gtttggcaca actcgccgaa ttttaccagc tgggtggata 840
tgaatattgg ggccgcatgc atcagacaga tgggatgttc agtgatagcg actctagcga 900
ttccagcgac tgcccttcaa acctcacccg cgctgaagcg gttcgcattg tcccgaagc 960
tgcccatcaa gctctcgccg caaccctggg tctcgtgtac tataaaatcc gcaacgaggt 1020
gggagaccac cctttatctc ccattcagcg cccaccgaag cgacatcagg aagaggtggc 1080
ctccgtctcg tcaagttcca agcagaagcc tgtcaagatg gtcgcccgtc cgacgaacct 1140

ctctcctacc gcccttcaca aactcatcac tggaggtcca tcgctggaat ccaaattccct 1200
gacatctgaa gaatctgcca aactcggttg gaacgctaac gcgaccgaga tttcggatga 1260
tacgatgagc aaactccggg gcattgtttc agaagaagtc gggactattc tccgcgcatt 1320
agaacgtggt cgactgaaga tcgtacctag cagatctgag cgcattggaga tgagccccac 1380
aggttctcgc tctagttctc gcaatgacaa ggctcctgct gtcaaggatg tggaaccac 1440
tgttccggac acagttccca ctgagattat ctccctttcc ttgagaaagg acgtgcaaaa 1500
ggcagaagtg gggattgaac ctaccattcc tgatactgct tctgagacta ccagcgtgct 1560
gacttga 1567

<210> 24094
<211> 449
<212> DNA
<213> Aspergillus nidulans

<400> 24094
ggcgcaagca ttgcccgcaa gtttgcccaa gcatactctg tcgttgtgct ggcccgaac 60
ccatccaact accacggggt cgtggacgag atcaactcct ccggaggcca agcactgggc 120
atcagcgccg acgtatcgga cagtgccagc gtgcagagcg cattcgagaa gatctcacag 180
cagtataagg acacgcctct ggcagcagca gtgttcaact ctggcggggg atttgttcgg 240
aagccgttct tggagttgac ggaggaggag tttgcgggtg ggttcaaaag tcaagggtgc 300
gccttccctt atccaatata ttattcgtct tgtctgaagg attgagagct ttactgatga 360
caagcacaga attggcgcat tcaacttcgc gaaagcgacc cttcccctcc tccagaaggc 420
tacaggtctc cagcaccgc caactttaa 449

<210> 24095
<211> 1168
<212> DNA
<213> Aspergillus nidulans

<400> 24095
cgcaataaag acccgaggga tattcttagg gaacaacatg aagaaatgcg cgggatgttt 60
ctgcagctgg ccaaggacct caagaaaatg ttcgagctgg cccgagcaga gatcgaccgg 120
gtacgactcg cacggtggga agaggagcag aaagcgaaag atcaacgagc tttggatcgg 180

gcgattaagc agtccaccat gttgtttgaa aagcgacggc tggagatttt gggcgaaaca 240
 gggagcgatg ccccgagac tacaactgat gatgaagaag tcgagactga taatgggtct 300
 gagaatgatg acgaggaggg tgagagtaat atgtcgacgg aaaccgaaga ggaagacggg 360
 gatgacaggg acgatgatgt gggcctcact gcagaggagc tgcgattgaa atatgcaaat 420
 ttaccagata ccaacccccca tccagaccaa tctccatatt ccgatgagga ctctgaggac 480
 agtgacgaca tcgctgctga caatacccct ggcgacactt ctggcggtgt caaccgatct 540
 ccgccgccag attcttcggg tcaagtagaa ctcgacgaag ttgaccaggt gctcatagat 600
 gatagtgatg aatctaccga tatggacgat gacatgggtg acagcgatga cgatggatat 660
 agcgaggctg agtcggatga cgaagacggg ggtgaacctg gattactggg atttttctcc 720
 gcaaaggact taagtctcag taatttgcag caaactaact ctggtgaggg cgatactcat 780
 caaacaggcg ctgatggtga ccgcaacgag gattcatcct ttgatgagtc cgaattcggg 840
 tccgaagacc cagacgaagt tacgcttggt cctactggac caacgaataa agacctgagc 900
 acaccggcta cagtcacagc ttctgcggag ctggaacctg cggcaatgac cccttcata 960
 gatcagacat ctaccgaaga gcctatcgcc atcggtactg agacccaat tgaaaccgtc 1020
 gctgaggatg ccgctgcgct cgctgataca gagcccggtg acgttgatgt attggatact 1080
 tctactaatg acagcgttcc tccagttatg tcacctgca caaacctcct caagcaaatt 1140
 gagcggcaac agcatgagcc ctaccata 1168

<210> 24096
 <211> 1087
 <212> DNA
 <213> Aspergillus nidulans

<400> 24096
 cagaacacca attcacctga acctctgcaa accttaagga tcccatcctt gtttcctgag 60
 agaatgaagc tctcacacct cctcacctcc gccgtgagcg tcctctccct cggcctcaca 120
 gtcgaaggcc acttctcacg ctctcgaaat gatgccgtag gcccgaagcg gcctttcaag 180
 cctctcccct acagccaccc acgcaagaaa gtctgccatg tgcgctccca tggcgacggc 240
 cgcgacgact cggcgttcat cctctccgcc ttgaagagct gcaataacgg cggaaaggctc 300
 gtcttcgccg aagagaagga gtataccatc ggcacggctc tagatctgac gttcctgaag 360

catgttgatc ttggtgcggt tattatacat gccagcttc ttttctgcat tgcacgtatg 420
 ctgatcatgg gcagaaatcc tcggccgcat tcagttcaca aacgacacgg attactggca 480
 agccaactct ttcaaacaca cgttccagaa cgcaacgacc ttcttccagc ttggcggcga 540
 agacgtgaac gtctatggcg ggggcactct cgacggcaat ggccaaatct ggtacgacct 600
 gtacgctgag gacccgctta tcctgcgccc tattttgttt ggagtgatcg gcctgcacgg 660
 cgggacaatt gggccgctga agttgcgcta ctgcgcgag tggtagcagc ttgttgcgaa 720
 cagctcggat gtgctcttcg acggcatcga catttccggg tacagcaaaa gcgagaacga 780
 ggcgaagaac acggatgggt gggatacgtt ccggtctaag aatattgtta ttcagaattc 840
 ggttatcaac aatgggggatg gtatgtattc tacccttgct cctgccatag aagaatgtat 900
 ggcgggtgct gatatgttat gtacagactg cgtctccttc aaaccgaaca gtaccgaaat 960
 acttgccag aacctgtact gcaatggctc gcacggatc tccgttggtt cgctagggtca 1020
 atacattggc gaggttgata tcgtcaagaa cgtgctcgtc tataacatct ctatgtataa 1080
 tgcttct 1087

<210> 24097
 <211> 1892
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24097

tgagcctcgg gatcatcttt gtccgcgcat ggcgtttctc tccgccttca gctgcactac 60
 gacacctatc cactcgaga gctctactta gtctcttact ttgtcctcgg tttctcgtct 120
 tttgcgtcat aatttacgat ggatggccgg ggactcactc ttcgcagcaa aaatcgccgc 180
 ccccgctccc agattagtgc gccgaaacct atatcgggcc cgctacccca gaatcaccag 240
 cccgcagctt ctggctctgg cactgcttcg tcgggctccg gatcgcgga ctatgcgtcg 300
 tcaaatcatg cgacgtcgga tctagtcaag cgaagatatt ccacacgttt caatcaagtt 360
 cctgattttg acggcgcccc tccggttccg agtgtaccgc aagttccctc cgcatatgca 420
 gggcttgggc ccccgagcc tagcagaaaa cagtcggctg aatcctcagg gcctcccga 480
 gttgatctaa ctgccctacg ggatccaagt ttaccagttg atcgatgtga gttaccctca 540
 atcagagctc ctagcattat ccgcagcctc agtactgact ctctgttctt tgatatctag 600

atgtgaccaa cctgctcgca aatgcctccg aagatgatat cagagaatac caacaggccc 660
tcagaaaggt caagaaccgc acttcgaccg accttcaaca gaatgtgtat caaaaccgca 720
cccaattcat ccgtatcagt caggaggcgg acaagctcaa aggagagatg aagactcttc 780
gctctttgat ggctgaactc actactgcct tgggacaaac agctattggg gattcgccga 840
accccatgtc tctactttg gatgagcgag catcaaagcg cagcaatcgc agtccgctcg 900
ccaatctgga gagcatgtgg aacgttcagc tccagacgtt atggaaaact gtcgaaggct 960
cacagaagtt cctgcccattg gttcctggtc ggcatattgt gctaaaaact ggaaactggg 1020
cggaacttga ctctgctact tggaaaccaa gacgcccggt tcatctcgtg cttctaaacg 1080
atcacctttt agtcgcagcc aagaagcgaa aaagagtcga ccagagtaac ccgaaccacc 1140
gcggtccagt cccaactaag ctgattgcgg aggaatgttg gccgctgcag gatattgata 1200
tgattgacct gggcgccaac ttgactggat ctgctcgca agaggccgaa gatcgtggta 1260
tcacgaatgc tgtctgcgtt cgcgtcggct cgaagccctt tacatatcgt catgacaaac 1320
gaaatagcac cgccaagagt gaacttttgg cgacattcag gaaaactgta gaggacctgc 1380
ggcggacttt acgctcagaa accgaggcag ctgggaagaa cggcgagtct cttgggttta 1440
tgagtgccat aaactccagg aactcgttgt tatgttcgcc gaaattggac ctcaagtgaga 1500
atacagacaa cccccgcgac aggcctgaag tccgcattga cgttgatgga aagcaacaga 1560
acttgcgctg ggtcgacagc caggtggatg aactcgacat tgatatcgcg cttcagagat 1620
tcgaagaagc tgtctcaaac attgaccgac tgcgcaaatt ggcccgtggc ctcaaaggaa 1680
atgccgtcgc gcaggatgta atcaacacca aggtcgatga acgagctgcg aaactggcag 1740
gcatactttc acggtctctg gttgatactc acgggttccc agtagcgacg aaaacaaacg 1800
tcgtctggct caccgcactc ggttttgagg accaagctcg agaatcctac ctcaaagctc 1860
gctccgatgt catctccaaa cgaatccggt aa 1892

<210> 24098
<211> 315
<212> DNA
<213> Aspergillus nidulans

<400> 24098

cccagtcgcg ggagtgtgag ctgccttctc gcgctcgaaa tcggcggaag gccatcgcta 60

gtgacgatgt ttggagaaca cgatcctagc agcctgggtc accagggggc aggaaagatg 120
 ctctcagacg cttgggcggtt cgacattgag tccgagaagt gggacaaaat tctcgtggaa 180
 ggggaggagc ctccatctcg aggggtgggtc gacgccgacg tgctttacgg gtctagtata 240
 atccttcacg gtggacttgc agagtcgaat gagcgccctg gtgacgcatg gtcattgcaa 300
 tttgccgggg cttga 315

<210> 24099
 <211> 654
 <212> DNA
 <213> Aspergillus nidulans

<400> 24099

ctgctatcgg tgccctccaa ggaggggtga cgatggatcg gtttggccgc aagttcacga 60
 tccagatggg cgcttcgacg tgtctcggtt gggcgatcct tcaggctgcc gcgacaaacc 120
 tggctatgat cctcgtcggg cgtattctcg cgggttgggc tgcggtctc atgtccatgt 180
 ctgtccctgt ctatcaatcg gaatgcgcgc atcctcgaaa ccgcggtatg attatcggtc 240
 tcgcccagca gatgattgga gtcggtttca ttgtcagcac gtaagccgct cgttccttaa 300
 aatcttcgcg actctgaccg tagtagatgg attggctttg gtcggttgca cgcacccgag 360
 agcagtgaat tccaatggcg attcccattg gcgttcagg tcgttcctgc agtgatcctg 420
 ctcatggac tgttcttctt acccgagtct ccgcgtcacc tgatcggaat ggagaaatac 480
 gaggaggcaa tgaaggtttt gcgaaaactt cattatgacg gcacgaacga ggactggatt 540
 caacgagagt atggcgagat caagtccacc attgacgcag aaagggccgt gaccgagcct 600
 ggttggttag tgatgttcaa ggttcctcag tataggactc ggttattgta cgct 654

<210> 24100
 <211> 916
 <212> DNA
 <213> Aspergillus nidulans

<400> 24100

ccagcttcat cccgacgtgg tcatgcacgc ttctatcggc cctcggcact cggaaactca 60
 aaagctgggt gatcacagca aagtaaaccg ctggcgccca tcctcaatga aatgagagcg 120
 ttcaaaagtg aagaggaggt tgtacagctg cggcgagtcg gccaggcatc tgggcgggca 180

ttcaccgagg ccatgaggca ctcggttcaca ggagaaaagg acctatcatc ctttctggaa 240
tataacttca agctcaatgg ctgtgatggc agtgctttcg ttcccgttgt tgccgctggc 300
tcggtaggtt tattccccga aaaggaaga tgatttacta acaaagatag aatgctctaa 360
gtattcacta tacgaagaat gatgacattt tcaagtaaga gtaatgagcg tcattgttag 420
ggtgcctgct aactcatcga agggacggag atatggctct tgttgacgga ggcggtgtat 480
gtctccttgg gttcaaaaac ttggattttg ctaattgctg caggaattgg gcacttatat 540
ttcagacatt acccggactt ggccagtaaa cggcaagttc tcggatccgc agcgcgacct 600
ctataatgcg gtgttgaacg tgcacgcag ctgcgtctcc ctttgacagg agagcgctgg 660
cctctcgctt gaccgcttac atggatcgc tgaaaatgga ttgaaagatc aattgacaca 720
gctgggcttt gatctctcgg gagatgtatg tcaaccgtac gtaatgtggc ttgaccgtcg 780
gcgctgaccg caaccaggca ttgaggactc tttttccaca ccacttgggc cactacatcg 840
gattagatgt ccacgactgt gccgggtatt ctaggggcta tgaccttaag gccgggtcaat 900
gtatcacgat tgagcc 916

<210> 24101
<211> 657
<212> DNA
<213> Aspergillus nidulans

<400> 24101
agtaatgctt ggccctcaaa gtgcggcaat gggggaatcg actcagatta caccacgctc 60
tatgtcggcg cggtagcaaa tgagctatat cttgcacttg ctgctcagct cgccaatcgc 120
gcctccgaca gcgagtacta ccttggctgg gccaaacgcc aatggctctg gttccgggat 180
agcggattga ttaatgagaa ttacacgata aatgacgggt tgaccaacga ctgcgcaaac 240
aacggcgcca cagcgtggac ttacaatcag ggcattatcc tgggggggttt ggttgagttg 300
aaccgcgccg tggataacga gacttcctca aattcaacgt atctacaaga agctcataag 360
attgcgatga gcgcaatcgc cgcattgaca gacgattacc atgtccttca tgaaccctgt 420
gagccagata actgtggggg agaccaaacg cagttcaagg gcatctttat gcgaaacttg 480
aggctcctgc acgaggtgac accaaatgat acctatgcc aggtgggtcaa tgcttcagct 540
cagagtctgt gggcaaatga tcgaacggat gaaaaccagt ttggaattga ctggtctggt 600

cctgtggaca gtggcaaagt agatgcttcg acacagagct cggctcttga tgcgttg 657

<210> 24102
<211> 600
<212> DNA
<213> Aspergillus nidulans

<400> 24102

atggcagccg ctatcaagag ccttgtggac aagtttcagg gtcactccga acccgccctc 60
cgtcaaccct cggctgagga ggtccgagag ctgaaacaga agtatgagca agcgggacag 120
tcacaagtgt ttgcgttcta cgatcaactg agccagaagg agcaagccca gctgttccat 180
cagctgtccg cctttgaccc cgctcgcac aacgaactcg cagacagggc tttgaacccc 240
cccaaaccg agactggacc aatctcgctc gaacctctgc cggaagtcgc taccgcctca 300
attctagact ccgatccgaa agacatccag agctactaca atgagggtat caagctcgtg 360
gcggataatc aggttgccgt ggttctgctg gcgggtggac agggcactcg gctgggaagc 420
tcgcaaccga agggttgttt tgacattggg ctcccaagtc acaagtctct tttccagatc 480
caagccgagc gtatcggtaa acttcagctt cttgcaaaga aaactttggg caaggacgca 540
gtgatccctt ggtatgtgat gacgagtggg cctacacgca agcccacgga ggagtttttc 600

<210> 24103
<211> 743
<212> DNA
<213> Aspergillus nidulans

<400> 24103

atgaacgtag atgaaagcga agcgccctcag ttactggaca gtccatctgc ggatcgtgat 60
gacctggcta cagttgctcc agaggaaatc gaaatggaag atgatattga gtccatgcca 120
gacacagata ggaaggggtgt gcttcttgat gatcaccact acttttccga cgacgacgac 180
cacatcccgg ccaaaccgaa aaggctgcca aaaggtacct ctgagtacca atcccactgg 240
ttcttgatg atgtatcgga ctctggatct gacgttatgg acgatgacga tgaggaggat 300
atgcaaattg acgtctccgg tgctcccgaa gacggcgtat tccccgataa ccacgacgcc 360
atgacagaag gcggaccttc tgaataccct cagtcagaga tgttcctcga cccgtcacca 420
gaggatgaag cacagcaact ggaagagtac agagccagcc gtaggaatga agcgaaagat 480

gacctagaat tccctgacga gattgagctt caccccaacg tcctcgcgcg cgaacgcttg 540
gctcgatacc gagggatgaa aagcctcaag actagtcctt ggaacacagc ggaggaccgg 600
ccacacgagc ccgaggactg ggcgcgtcta cttcaattcg gcgattacaa ggggtccaag 660
aacaggattc tcagagaagc tctcgtcggc ggcgtcaacc caggcaccgc cgtcgatgtc 720
cacctccgcg cagtccctgc ctt 743

<210> 24104
<211> 1144
<212> DNA
<213> Aspergillus nidulans

<400> 24104

ggcgctacag gctatattgg aggcgaagtc cttcacgcac tagacaatac tcaccccgag 60
tatgaaatcg cagcgttgat ccgaaacacg gagaaggcga gtaaggtcgt cgcagcttat 120
cctcgagtca aggtgatcag tggcaacctg gacgatactt ctgtcatcga ggaagaagcc 180
aagaagagtg acattgttat tcgtgcgttt gtgcattgct ctccacgtca tgctgtgatt 240
ctgacaagca agttagatgc cgcaagtaat aagcacattg ctagtgtgga ggccattgcc 300
agagcgttga aagaccgacg tgacggtaag cctctgcttt tactccttcc cacaacgaat 360
agctaaagaa taaatgcagc atactacgtc caggtcacag gtgccagtgt ccttgagggc 420
cccagatcg actccaatgc ctatggcgag ctatcagaca gagtctacga tgacctcggc 480
ggaatccaag ccgtccgcga cttgattcgc atatacccg accgccgtgc tgtcgacaac 540
ttcatccttg gtcttgccgg aagcgggtccc agaacggcaa taatattccc gccgattatc 600
ttcggcaccg gcagtggacc ggtgaaccag cggagcattc aagttccttc aatagctaaa 660
aacgcgctac aggaaaagca agctgtttat gttggccagg gtctgagccg gtggggcgca 720
atccatatcg cggaccttgc acagctgttt gtaaaacttg ttgagaaggc tgtaaacggt 780
ggaaatgatg atttctggga tgaaaacgga ctatactttg ccgagtctgg ggaagaggta 840
tgctctcatg tacaggcatc ggttccaacc gtacgctgac caccaatagg ctttcaaaaa 900
tatagctggc cttgtcgctg aggaaatcta caagctggga tacaccgaca agccgtgctc 960
agttcgctct atcacaccgc aggagtgcga cagtttgctt tttgcccatg gggctgtggt 1020
cctaggtacc aatgcgcgtg gcagagctct acgtgctcgg aagctgttgg gatgggagcc 1080

agtcaagggg acattaggag actatattgc tgagactggt gctgctgaag ccaggacact 1140
ttaa 1144

<210> 24105
<211> 416
<212> DNA
<213> Aspergillus nidulans
<400> 24105

gattccctgc cttcgacaag aaactcaaga gtttgattaa gagcaagaag acgtccttga 60
tgcaggaatt ttcgttctgg cctacaacgc cgccgcgccg cctgggaggc ctctttgaac 120
ttcgatctta cactcttcat cctggcaatc ttcttgagtg ggaaactcat tggcgccgtg 180
gccttaaggc tcgtcgcgag gtcattggaag gcgtgggcgc ttggttcgtg cagattggag 240
acctgaacac ggtccaccat ctgtggcagt ttgcaaacct tgaagagcgc aagatccgcc 300
gggagcagtc ttggggcata gaaggctggg ctgagacggt gcataaaact gttccgctca 360
tccaaaccat gcagagccgc atcttaatcc ccatgccctg gagccctgtc ggctag 416

<210> 24106
<211> 495
<212> DNA
<213> Aspergillus nidulans
<400> 24106

aactccgcaa gcctcacaga catggttatt ctgcacgaac accgtggtac ccctactgcg 60
atgacgatct cacatcttcc tcatggcccg acagccagct tctccctgca taatgttggt 120
ctacgtgccg atattcccaa cgctgccgcg gggactgtgt cagagagcta cccgcacttg 180
atctttgagg gtttcaagac aaaactgggc aagcgcgtgg ttcaaattct gaagcatctt 240
ttccctcccc gagaagctgg aaaagttgga aaccgcgtgg tcacctttgt aaataaagag 300
gatagcattg aggttcgtca ccacgttttc gttaagacgg gatataagga tgccgaacta 360
gcagaagttg gaccgcgcat gacgatgaga ttattcgaga tcaggggagg ttcgctcgaa 420
aaaggctcga gtggagatgt ggagtgggcg cttacacagt acacgaggac ttctagaaag 480
aaggattacc tctaa 495

<210> 24107

<211> 2832
 <212> DNA
 <213> Aspergillus nidulans

<400> 24107

```

gtcttggaag agagtctttc tttaagcttg cgatcccgaa agcatcaccg atgaatcccg 60
ggttttcgag tcgtttttgt cacatcctga tagcatcgag gtgcttctga accgcggcag 120
cgtctttcct acgccatccc ctaagacaaa atccgagttt gataggagaa cagcagcgat 180
ccatgcggag accattgcac aagcctcgta tgacctgaag gaaatcaaag ccgatgctct 240
ttggttgagc gaaaaggctg ggattgatga aatcaacgcg cttcgatca cggctcttga 300
atggcaaacc cgtcctgctt cacgtctcct tggccgactc gctgatgagg aagccactag 360
cttgaaacgg gcagccggag tcgatacttt tcgggtgtca cttgccgggc cgagtttcgc 420
tgacatcctc aacgccagac ccggtgatgg aaacagtga gccgagtttg tttcggagaa 480
gaatagacgc ctgcgactcc ggggaactata tctgtctgaa cgaagccata tcgtcaagac 540
agcccgcaa cttctcgctt tatctttgaa cagcgacggt catgataacg cgcttcggcc 600
acagccaggt aggccgaata acttgcacaa attgggagtg tccatcttcg aaacgaagat 660
cactgggaac aactggcatg aattcgctcg agagtgcac gacggcgtag aaaaacgtct 720
cgcgccctt gatggcgagg gtggttggtt gggcgctcgt gaaagcagcg aggatattga 780
gagcttggtg agaacgacgc ttgtggaaga agtgtcgcac ctactccaga gtctgtttat 840
gctgctccag tcttcacgg agatccctcc cgcagacctc cttctgtctt ggctccgtct 900
aatggttgac aatgttttcc tcgaatccct ccaggctgta tgtttccca ggtttcatct 960
cttcaaagac ttactaaatc tcggcagccc tgtgataacc ctctagaact tcttttaccg 1020
cttcaaggct ttgtgtgcct gattactcta gcttttctaa aactgtccct ttctatccct 1080
gccattcttg ataaagatca gaggaatgat acatcctcca agccacctta ttatctttca 1140
aaagacgaca ttggccagat caacgaatta ttacagcag ttgggcttca gtcaagaact 1200
gcaagtcccg cagcgtttgc atgggggctt attttgcaca ccatggcaga gcttgctctt 1260
aacgataaag agactcggga gttggaacag tatcaaagtg ccgtggattc cttccagtca 1320
aacactcctc attcaaactc aggtcgcgct gccgaaatat ctctatatga agagctcctt 1380
gaagttgctc gtacgccgcg atatagtatt gatgagtcga ttgcacttct cacttcggat 1440

```

gcaatgagga atattgcgtt cgataccatt attggttctag cgcaaaagat tgggccgtca 1500
 tcgactatcg atgatatcgt gacgaatcgt tgggctcgca tggcactgct ggatctcatc 1560
 cggtcgatga tgatttactt ggattattca ccagaaatcg ttcagtctgt cttggctgtc 1620
 cttactgggc ctctctcaga ctcagcatgg cccttggcta cgtcacgggt gtcgtcgaac 1680
 gatccacggt tgattttcat gagagatgag aatttaacca gcaacatcct ccacgtggcg 1740
 cgctcgcggt tcccttatga aactgtaccc tttctaaagc tatgccgagc gctactcgggt 1800
 gcagaactgg tcgatgaaga aggcttccca caaattctga gcgagttgga aagcatggaa 1860
 tcgttcacgc aggttggtcc agacaatttc caaggttatg aaactattcg ggaggatgaa 1920
 gatgcgaact acgttagtct cctccagcct cttccaatga cggaatccaa gttgcggaaa 1980
 cagacacgcc aggagactag taatgctctc attggtaccg gttcgtcgga gcttcttgca 2040
 gcaacagtgg gtcagatagt atctgagtcc aaacctgcag tcgttatgtg gcaacaccgg 2100
 tattcttgct tgagttatctt gggcagccgg ctagaggagt ggagcgagaa tgggtggattc 2160
 tcagaagagt ttggcgatga ctgcgttgcg gagacaatct ggctgttcac ggatctaatt 2220
 tttgcgtcca cgaacaacca agcacgtagc aacgataatt ccgctgcgaa aagcatcctg 2280
 gagatggcca gcgatggtct ttctagtcaa actgacatca tcggacttgt ttttgacata 2340
 ttcgagcgca atcttcaaag tgtcagcgca aggactgcgt cagaagggtg agtcgattcg 2400
 gcgatagcct gtctgcactt cattcgcgcc ctcatcgcg ttctacccaa tagagtatgg 2460
 cccttactat ctcgaagcag cctgcttggg acagacggaa agggcgggtat gatgacggct 2520
 attatatccg ctacggaagt gacttctggg gaatatccat ttcttatggc ctctgtccgt 2580
 ctatttgagg ctgttggtga tgacgcaatg tcccgtgctg tcctaaggcg atgccagta 2640
 gggaaggcag gggttgttcc ggactggact tcaggagtcc cgtcgcacat catgagacgc 2700
 attctgctca actatgttcg gataatggc gaggtgtaca acagcaatgg caactggagg 2760
 ttcaacgctc cggagaggaa gttcgaaatt accactgcga ttgcaggggt gctcgaaaga 2820
 atactttact ac 2832

<210> 24108
 <211> 1638
 <212> DNA
 <213> Aspergillus nidulans

<400> 24108

atggcccagt ttgaagtcga agcgttcacg cttctggccc ttgcaattgt cgccatcgcc 60
ctccgcgtcg tcgcacgatg tgtcattgcc gggcccaaga acttcagct ggacgactat 120
atgatgccgc tggcggggggt gcgttcctc ctgagcctgt tttttgggtt cccctgtct 180
aggagcttcg atgctaaccg gttacatctc aggtggttta tgggctcgaa accggcgccg 240
catactgctg cggcgcatgg tggatgggtc tggccaacaa tgccatgacg gacgcgcagc 300
gcctcgagct ctcgcagcgc cccgatagcg aggaataccg actgcgcgtc gggggttcca 360
agacgcaggt gctgggggtg tcgctgtata cgacactgtt gtggctgctg aaggcttgta 420
tggcgtgtt ttattcgcg ttgacgtgcg tctctcccc tcccaaaaat ccaaccttcc 480
agccccggcc ctacggtcgt gggcgtgggg gcggaggacc tagactttag tgtgctaacg 540
aagctgggtg cagagctgga cttatcaaca tgcggatccg tgtacagatc gcttatgccg 600
tcacggcgc cacgtatata gccgtcatct gctcgattct gtttgggtgc catcccatgc 660
acaagaactg gcaaactctac ccgaatccgg gcaattcctg ccagcctgcg gtatcgaaga 720
tcgacgtcta cgtgacggtg acgctgaacg ttgcgacgga tatgtatctg ttgagtattc 780
cgatgcccg gcgtttggcg gctctcaaaa gaagagaaca agtgataacg gctaattgctg 840
gcttggtact gtagattcta ttcaaagcgc gcctccccct tcgcgagaaa ctcgagctgc 900
tggtcctctt ctccggcgga atatttggtt tggccgctgg cattctgcgc tgcgtgctga 960
tcgtcacggt acgtctgggt tcttagccct gcctttccta cctctcctcc catctgctat 1020
cataggcaaa gctgacagta gaatatgtag gccggtgcga acggcgccca gcaagcaggc 1080
tcctgggcgt gccgcgagac ctctgcgcc gtgatcatcg gcaatgcacc catgatatac 1140
ccgttcctgc gacgcacgc aaagcgcgcg ggcatttaca taaccacata caccatcgc 1200
acgggtcaat cgcaatcgta cccgtggga tcagccgacg acaagatgcg gagtgtctggg 1260
aacgggcgca gcattgggat gtcgcaggca tccaagaaac ggcggttcag acatccgctc 1320
agtatcccgg acacgcagtg gcgcgacgac ggcgagactg ctgtgtttga tgaggacggc 1380
gatgagatgg cgatgttgag caagaaattc aatcagacgc agggccaata tggagcgcac 1440
aagaagatga gccttgaggg ttttcgacgg gatgccggtg ctgcagaggc agtggtcacg 1500
agtggaaacg gaagtcccg gtcgggaacg aaggggctag gacttgaag cctgggggagt 1560

agtctggagt cggaccatgg agagtttagc gggatcaagg tagtacggga gacgattggt 1620
gagaggaggg atgtttga 1638

<210> 24109
<211> 285
<212> DNA
<213> Aspergillus nidulans
<400> 24109

atgcatcatc cgccccgagt cgcgtcgaat cctccgcctc ctccaccgcc gccaccaaca 60
cacctttcct atccccacca ggcgcagccc tggccgtcat atacgcttcc ggcgatgacc 120
ggccctgtca tgtccaatgt ccacagcccc ggcggacaga tgtcgtgat gggcccgccg 180
cagtccggac ttctgccggg cttcaatagc gggttggtgg ctagcatgca gcagatgtac 240
ggcggcatcc gccgcacgcg atgcacggaa tgggcgtggg tgtag 285

<210> 24110
<211> 624
<212> DNA
<213> Aspergillus nidulans
<400> 24110

attacatgcy agcagccgcg tggagctggt catctccctc gacagcggty cgctcttacg 60
attgaccagg agggccgctg acgatggtat gttttgagtt ggtgccagat gtgcggcagc 120
aggcagctaa cgctttgaat ttcaggttca aattggtctc cgcttaccct ggacgagaga 180
acttgggggt catctcttcg agggctggtc aggtggaatg cccaaagttc tatcaaatac 240
ggcgggcyca ctctcgacac aaatgtagca aatgcggtcg ccacgacatc cgatcagacy 300
tacgttttcg cagtctgcct gaatcacaca ctgaagatct ggaatctcgc tacgaataaa 360
ttggtggcaa ctaaggatct actcggccgc gagatgcagc agaattccct aacatactcy 420
ttgaaccccg ccgagtcgtc gtttatccgc gtattcaatg ttgagagggc cctggacgcy 480
gggtaccgct actacgctgt gacttatctg ccctttgaag atggatgttt caagttctgy 540
gccatcaaag ggggtcttac cacgccttta gaaattgaag acctttttcc cgccgcgacy 600
ttgaggcctt tggatcctga ttag 624

<210> 24111

<211> 786
 <212> DNA
 <213> Aspergillus nidulans

<400> 24111

```

ctcaacagaa agtcaaaga caacctagcg atggagattg atatcctcaa ataccttctc 60
caccgcgaca tcgtcgact gctcgactgt cttgagacaa attcacacat tcatttgata 120
atggaatact gtgctttagg cgatttgtca cagttcatca aacgaaggga cagtctcaaa 180
gaccatagct ataccgggca tatgatata aagtatccga acgtctctgg tggagcctta 240
aacgaggtga tcgtccgtca tttcctgaag cagctggcaa gcgccctaag gttccttcgt 300
gataagaacc ttattcaccg cgatatcaag cctcaaaatc ttttgctctg cccggcgcca 360
aaaccgcgc caacgcagtc agaagccgag ccacagatag tcccgtcaa aggcagtga 420
acgtcgttta cgccggcggg gggccttagaa acgtgcat tgctcaagtt agctgatttc 480
ggtttcgcac gatccctccc tgccacgtct ctgcagaga cattatgtgg ttctccttta 540
tatatggccc ctgagattct acggtacgag aagtatgatg ccaaggcgga cttatggtcc 600
gttggcactg tgctatacga aatggctgtg ggaaaaccgc catttagggc aacaaatcat 660
gttgaattgc ttcgaaagat cgagactgca agagaccgaa tcaagtttcc agaagagaat 720
cctgcctcag atgatattaa ggcactagtc cgtggccttc taaaattcaa tccggtggtg 780
cgaatg 786
  
```

<210> 24112
 <211> 279
 <212> DNA
 <213> Aspergillus nidulans

<400> 24112

```

atgtttccac cgcaggatgt catgtctggt gccttttccg cccagcgtca gtggagccaa 60
aaccaacaga ctctgggtac tgggccgact agacgagagc cattccctgc ctggagcgtg 120
gtcgaagaca ccaaaaaaaaa ggccaatgcg ataagcaagg aagctgcgcg ggaatttgag 180
attgccagtc aaaaagcgca gtccaagact ggaaagatcg agccttggtc cgcaagtag 240
tatgcggcct gtacttttgg tggcctggtg gcttgtgta 279
  
```

<210> 24113

<211> 773
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24113

```

cgggcctttg ctaccgtcat tccaaaaggt ccgcgttgac taccccgcgcg tacccggtgg 60
taccagacca tcattgatca gccggctttc aaggccgttg ttgagaacct tgttttcatt 120
gacgaggcca tcaagtccac tcctcccaag aaggaggaga agcccaagaa ggaggctgct 180
cctgctgccg ccgctcctgc tgctgaggag gacaagcctg ctcntaagcc taagcacccc 240
cttgaggctc ttggcaagcc cactctcatc cttgatgact ggaagcgac atactccaac 300
gaggataccc gctctgttgc tatgccctgg ttctggcaga actataagcc cgaggagtac 360
tcactctgga aagtgaacta caagtatgac aacgagctca agctcacctt catggccaac 420
aacctgatcg gtaagtatta tcctgctttg gacgtgtctt cgtacagttt ctaaataaat 480
atgtagggtg tttccacgct cgtcttgagg cttcccgcaa gtacctcttt ggttgccagg 540
gtgtctacgg agagaactac gcttgtgtca accgaggtgt cttcttggtc cgtggccaag 600
aggctcttcc cgccttcgat gtcgctcctg actacgagag ctacgagttc atcaagctcg 660
accacaccaa cgaggctgat cgcaagtatg ttgaggacat ctgggcctgg gacacccctg 720
ttgttgcga cggcaaggag ctccccaacg tcgatggcca cgtcttcaaa taa 773

```

<210> 24114
 <211> 299
 <212> DNA
 <213> Aspergillus nidulans

<400> 24114

```

ctcccaactt cgctcgccct ttcgtccac cggcagcagc acgggctcga ccaacggctc 60
gcaagaccag caaggggggt ggtgtgcaaa tggttctcga ggaagcgggc agctggagtg 120
agcttgccga tcagagtgcc acccttcccg ccgaagggtt cgatgctagc ggcaaaggaa 180
agtctactaa tagtggtatg ctttcttcc tgagccgcaa gaagggacgt gacaggagtc 240
cgaagccgca ggaacctggt gttctgggca aggaaggtgc acgacaaatc atcagctga 299

```

<210> 24115
 <211> 615

<212> DNA
<213> Aspergillus nidulans

<400> 24115

gcatggcgca tgctcaccgc ttcctttatg acaccgaag agtctaagtc cgttctcgca 60
tacagtccta tgtatcatgc gcgctctctt gaggaacatg ctggctatcg cgcaaaggcc 120
ttccaccgca ctgcgcgttg gggcgacacc aaatgcaaag gcgacgactc tccatacctc 180
gacggaaacc cagcgattga cgggccgcta tttgtgcagt tctgcgcaa tgatcctgat 240
gactttttta acgccgcgcg ccatgtggca cttattgcg acgccgttga tttgaacctg 300
ggttgctccg aaggcattgc aaggcgaggc cactatggcg ctttctcgca ggaggactgg 360
gacttaatct acaaattgat caacaagctt catatggaac tcgaagcccc tgttacggcg 420
aagtttagaa tccaagaatc gaaggagaag actttggagt atgccaagat gatactctcc 480
gctggcgcaa gactaatcac cctccatgga cggacaagag agcaaaaggg tcataatacc 540
gggctggctg attggagcta tattaggtat ttacgagata acctgcccc ggacactggt 600
atctttgcga atggg 615

<210> 24116
<211> 1124
<212> DNA
<213> Aspergillus nidulans

<400> 24116

ccctcgctgc cttgagcgcg agcacttttg tgtctcgggc ccctctcgca cctgaggaga 60
atggatcttg tccggccggg tactctccga gcgtgtacta tatcacggtc acagcggagc 120
cgtcttctac cgttcgacca acttcttcag ctccaatttc ttcaactcca acgtcgacct 180
caacctcaac ctcgacttcg gagacatccc tgaccacgct cgcacttacc tctacgggag 240
atgtgactgt aacctcgagc tctaccgag gtctcatcga gaccatccca gctgtagtcg 300
tcaatgcagc tactagcact actagcgagt ctgcaacttc aacctcagct ctgtccattt 360
cggagactgc tccaactcaa gtagccgtcg cccggcccag cactacgacc gcagccgaga 420
aaacttccag cacatctact tcttctcat ccagctccac aagtacaaac tcaggcgcca 480
cgactggcga agcaaccttt tacggcgga acctctccgg cggcacctgc tcgttcacgg 540
actacactct tccctcgcat ctctccgtg tcgccttctc cggacaggcc tgggacaacg 600

cagccgaatg cggcgctgt attgctgtca ccgggccaaa cggaaatata gtcaagggtta 660
 tggtagcat cctgagctc agctttaata accaatatgc taacaagcca taggttgctg 720
 acaaatgtcc cgaatgcgcc caaaccacc ttgacctctt cgaatcagcc ttcactaccc 780
 tcgcttccgc ctcggaaggc caaattccga tctcactctc catcacccct tgcggaataa 840
 cctccccact catcctgcgt aacaagtctg gcacatcagc atactgggtt tcgatgcagg 900
 tggtaacgc aaacggggcg gtcaagtcgc ttgaagtaag caccgataac ggaagcacat 960
 ggcaagagac cagcgggagc gattacaact tctttgagaa cagcagtggg tttggaaccg 1020
 acacggtcga tgttcgggtt accgggggtg atgggggcgt tatcactgta aagaatgtga 1080
 gcgtggcttc tggggagagt gtgacggctg atggaaactt ctga 1124

<210> 24117
 <211> 931
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24117

tcgtctcgtc aggaacattg agtatccaaa ctgcttgacg atgtcgcgga ggggcatcat 60
 atcatgtgtc ggggacagcc gaaactattc ttactagat gtggaacacc agcagaagat 120
 tcctctattc ccgatatcct ttgccgacga gatgcaaaac cccggtcaaa tagaggatat 180
 gccagttccg tctgtccca aatcacgct atcaaaagcg agttcgccac cggacgagag 240
 tcccggtcac ggacggagct ccagtttgaa tacgctggcg gggatgttgc agccttcggc 300
 acctccacgg tccgcgtcga aagatcgatc aaggtccctg acgccggagc aatcggagtc 360
 cgagacgccc agaagatcag tgtcaaggga gcgtggcagg tacgcttctc cgatgggatc 420
 gccaaaggta tcttccgaaa tgccctcgcg cgaggcacia ccgcaacagg ctgttgacga 480
 tgaacagaaa cctctaccac ctctgcctaa gcagccttca acccaactca gacctcatat 540
 cctctcgccg acccgcgcc agttcctatt agtcagaggc tctgatgaat cggaaccagg 600
 cgttggtatg tttgtcaacg tagatggtga tgttgctcgt ggcacgatta cctttcataa 660
 atatccaaa tcgattgtca ttgacaaggg ggacgaaaca agtataatcc cttcaccgga 720
 aaacacgaaa aatgactatg ttattgctgt catagaatat gacgaagacg gccaaacaag 780
 aaaatttttg gaggtacagc cttgggatgt tgaccagca gaagccgagg attacaagag 840

ttgggtagag ataccctcaa tacaagctga cgggacaaaa catgtcggaa tcagccacac 900
actcagtccc acacagttgg agattcaaaa t 931

<210> 24118
<211> 815
<212> DNA
<213> Aspergillus nidulans

<400> 24118

atgcccggcc gcctcgaagg acatatcgcg ctcatctccg ggtcaagcca agggttcgga 60
cggggtatct tcgagacatt ccttcgagag ggagccctgg tgctaggcct ggacctgcaa 120
gccatcgacg gtcaagtaga gggctttcct gagaaccgag cctaccagat cacagccaat 180
gtcgccgagg aggagacttg gaagagagcg gtaactggcc ttgacctgtg tggttgtgca 240
gctctaacta tgtataccag ctggaaacca gtatcgcaag attcgggaaa gcgccgtcga 300
tcgtccatca caatgctggc tggccgtacc cgaacaaatc tggcttagat gtgacagttg 360
aagaatttga ccgtctgttt aatgtcaacg tgcgcagtat ctacctggcc tcgaaagtcc 420
tcgtgccgga aatgaagaag aatgggtccc ggtcgacgat tgtaatctcg agcgagaacg 480
ccatccggcc aggagccacg cagacctggt acaacgcaac taaggccggt gtctcgtcag 540
ccaccaagtc gatggccttg gagttcgccc gagaccagct gcgcttcaac accatctgcc 600
ctacgtccgg gaacacgccc ctgttgaaca agtttgccgg tattagcgat gggcctgtac 660
caccggagat tatcaaggcc aagtgcgagg caatccctat aggacgactt gttgagccgt 720
cagatgtcgc caacgtggca cttttccttg cggagcccgc gagctcaatc atcagcgggtg 780
ttgagattct ggtagacggt gcacgatgcg tgtag 815

<210> 24119
<211> 423
<212> DNA
<213> Aspergillus nidulans

<400> 24119

ggcggctctc tctccgacat ggcgcgaagc ggcaccagga ttcctaacga tgcaggccgc 60
atgaacacca tcccatccgt cccacgagac gatcaaaaag ccgaagatga ctcttttgat 120
tatgcgggac agggtcagcc gtctctcgcc tttgccgag ataattacac cgatcttccg 180

cggagtacga aagatatggg ctttaccggt gaagtcatga cgggcactgg gaacacgtta 240
ccagcccagg ctgagaacgc aggtaatgaa attggcgcca attggccagg tgctaaaggc 300
cagacaagaa gtttaaagag gtcgaataag aacagggggg gttttgacat tcaggccgga 360
gaagatgagg atgcagggca gtatatggg gagcatgaag gaaggaatgt gggagattat 420
taa 423

<210> 24120
<211> 1604
<212> DNA
<213> Aspergillus nidulans

<400> 24120

gtcagcgacg agatttcagg gctcgccgtt tacgtgtctg ccgcgacca gtacctgttt 480
gtgactcagt cagacaaggt tgaggtctat accccagagc tagagcaagt gggctccttg 120
gctgtgacag gtgtggaaga cctcgaaatc gctggaactt caatctacca atctaactcg 180
tcccaatatc cgtacggact gttgggcttc gctattgaga gtgattctgg caacgccttc 240
gggtgtcgct cgctcgagcc ggcttttact tccctaaaac tgcagccaaa tacgtcatat 300
acgcccagga ggagctctgg gcagtctggc ccaaagcaaa acggcttccc gagcgcaaac 360
aacactctct cctgttttgc cggttgagc ggctctgatt gtacagagat aacatgccac 420
aacaactgtt ccagacacgg gacctgttta ggtcccaacg aatgtaaag ccgtagccat 480
tgggcaggac cagagtgttc ctggattggg gttgaggcca agtacgagac cgatgcaaac 540
ggcggcgacg gcgacgacct tgctatctgg atttctccag cgaaccttaa ccgatcaaca 600
attatcacga ccacaaaatc ggagatcggg gccggactgg cggatattga cctgaaggga 660
aatctgcttc agacggtggc cgctggtgaa ccgaataacg tcgatattat atatggcttc 720
caggccgggc ggcggacgat cgatcttgca tatgccgctt gtcgggagga cgatacactc 780
tggtaaagtgg ccaccgtagg cctctatgaa ggtcatcgct tataaactta tacagcctgt 840
tcgaaattac accggacggc cttcttactt ctatcccggg tggaagacag ccaacaccgg 900
aagactacac ggtttacggc tcgtgcagtt accgctcgcc ttccaacgga aaacaatacc 960
tctttgtcaa cgaaaagtct ggtctctatc tccaatacga actgacttcc tcgcctaacg 1020
gaactctcgc cacaaccctt gtccgcaagt tcaccggcgg ttcaggcggc caaccggagg 1080

gatgcgttgc tgacgaagaa aacggctaca tcttccttgg agaggagcca ttgggactat 1140
ggaggtacga ggcagagcca acgggggtctc caaacggaac ccttatcgcc aaggtgggtg 1200
atgggactat ctacgcggac gtagagggcg tcacgtact gccggggcaa acccctgaac 1260
agggctctat catcgtctcg tgtcaggggg tgagtgcgta ctccgtctat agacggggcg 1320
aaccgcatga ccatgtgtta acttttacga ttggggaatc tggcgatggg agcgttgatg 1380
gggtcaccaa tacagatgga gttactgggg tgtcgacagg attgaacgac gactttccga 1440
gggggttgct tgttgttcac gatgatgca atcagctatc tacaggtgaa acggcggagc 1500
tggctagctt taagcttggt agtctcgaag atgtactggc ggctgcaggc aagagaacgt 1560
ggttgttcga ggaagtcgac gagacgtggg acccgagggc gtaa 1604

<210> 24121
<211> 1536
<212> DNA
<213> Aspergillus nidulans

<400> 24121
atgaccctc gagacgtcca tactcattgg gatctctcgt tcgaatggac ggaactccac 60
cggactgcag aacaactgcg tccattgacc ttctcatatg acaaactagc ggacgattgc 120
atcgcaaagc tcaacgagct ctgccttca gagaagtatc gtccaaaggc tggcgagccg 180
ccgaaaaagg cacctaaacg tgacttgcta gcattactag aaaagcacgc aaaagacgac 240
gccaaagctcg aagagttatg gactgaagtc aatacagtc ctgattgggt cgactgggat 300
cagatacaaa gaggacagga ggtcttttac cgatacggga tgccaatcat gaatgtggta 360
tgcacagtcg ctacgataca ggcgctctgc taatgtccat agcttagctt ccaaagctta 420
ttaggtggga tgtgggtggt aatccgaccg ggaccatggc cggagagata ctgactcact 480
tgtaggggcg cgaaccgtgt cgttgaaaca ttggcgagaa ccggagggtt ctctgcagaa 540
gttgctccgc gaaggctgct ggaaactctt cagtttgtcc tccaggtgtc cttttctgtg 600
gactctatga agcctggtgg agcaggccac caatcctctg tgagagtgg gcttctacat 660
tcctcagttc gatcaaggat cctcagactt gtcaaggaga ggcctgagta ctacgacctc 720
gaagcctttg gtatcccgat cagcgacctc gattgcatcg ggaccatcaa cacgttttca 780
accagcgtgg tctggatagg tctccctcga caaggaatct acctgcggga gcgagagatc 840

gaggattaca tagccctttg gagacttgtg gcgtactata tgggcactcc gcacaatgtc 900
 ttcggagaca agccgactgc gaaagccttt atggagtcga tttttgagtt tgaaattgac 960
 cctaaaccga ttggacaagt tcttgccaag aacattgtca ttggtcttga aaatactgcg 1020
 cctagctttg cgtcaaaaga gtttatggaa gctatggcca gacatcttaa cggggataag 1080
 ctggctgac gccttgacat cccgaaaacg agcctgtatt accaaacact catctacggc 1140
 tactgttatt ttgtcatgat aattgcgtat acgaatcgaa tattcccgct ttttgacaaa 1200
 ttttgattg cggttcgtcc gctccttcta ctttgtctcc tgggtactgac caaacgcagg 1260
 ttcgccggaa gatgtactac tcaatcatca aagacaagga gcacggcctc ggcagcgaaa 1320
 cgatcttcaa cttcaaatac gtaccctggg ttacgcgcac cacgaagcta gggacccgca 1380
 aggaaagaaa tgtgtcgaag cggggcatcg aaacattcgc gcagctagga gttcttgccg 1440
 tctgtgctct agcggcgact gtgatatacg gggccgcggg aggcttacat ctgctgagtc 1500
 tagagaaact gttgcgtgtc tgactccagt tcgtaa 1536

<210> 24122
 <211> 552
 <212> DNA
 <213> Aspergillus nidulans

<400> 24122
 atggacaaga gaagtttcaa agtgatagtt gtcggtgggt caatcgctgg cctgactttg 60
 gcgcacagcc tcgacctggc cggatttgac tatatcgta tcgagaaaca ctcggatccc 120
 cttgctaccg ttggcggatc agtcggtctg ctgccaaacg gatggcgtat cctgcatcag 180
 ctggggcttc gccatcagct agagcaagag gcatgccag tcaaggcgc ccatatgacg 240
 taccagatg gattcgtctt tagtgacaat ttcccagcgg caatccagga aaggcaagtt 300
 cctgaaatcc agtttcttat cggttatatg ccagctaacg atgaaagatt tgggtattcc 360
 ctttccgtcc tactcgcca gcagctcatt gaggtgctct acctcggcct acgtgacaaa 420
 agcaagatca aggttggaca gagagtaata aagatccagc accatcagaa ccgcaggggc 480
 gtatctgtct ttaccgagtc cggacaggaa catgtggggg acttggttgc tgggtgcagac 540
 ggagtacaca gc 552

<210> 24123
 <211> 345
 <212> DNA
 <213> Aspergillus nidulans

<400> 24123

tctgttcgat ttcctctgac gacgagtact ccttcccaa agcgaaatca tacttctacg 60
 ggcaaacttc gaaccaatca tccctgggtt cccattgata ttgatgaaat cctgatggct 120
 ggtgctagcg acaaggagaa tgtcgatctc caaggtgcat tggacaacct gaagggggat 180
 ctgacaagcc cagaaaagaa gatgacggtg gaagaatgga tcctatggaa tgcaaagaat 240
 ggagaagaaa ggctcaaacg agaatgcgaa agactagtcg ggcagttcga gagagaaggg 300
 gcgcggggcga tgcgcgcact ggaggggtatt gagtgcattg attga 345

<210> 24124
 <211> 400
 <212> DNA
 <213> Aspergillus nidulans

<400> 24124

gtactctacg accgatgtcg ttgccaacgt tgcctacgat ctcttcacga gctccagcat 60
 tggcggagac tctgagtacg agatcatgat ctggctggcc gctctgggcg gtgcggggccc 120
 tatctcctcg accggctctt ccatcgcaac ggtaaccctt ggcggagtca cctggaacct 180
 gtattccggc cccaacggaa gcatgcaggt gtacagcttc gtcgcatcat ccaccactga 240
 gagcttctcg gccgatctga tggactttat caattacctc gtggagaacc aaggcctgtc 300
 gaacagccag tacctgactc acgtgcaggc cggtaccgag ccattcactg gctccgacgc 360
 caccttgact gtttcctctt actcagtctc tgtctcataa 400

<210> 24125
 <211> 349
 <212> DNA
 <213> Aspergillus nidulans

<400> 24125

ttacgaactg tacatttcgt acatcgtaa cctccagac agcgactaca agcctgtcag 60
 ttccccaact cggcagatcg ccatgatgct gtgggtcacg ctgtactggg actttcatga 120
 gcctgaacca gagttccagt tgtatactga agcatcgcc aatacacctt ttgctggaaa 180

gccaaaggga gactggaggg taaatatcag gcgtgagggg atctttacgg ggcacaatgt 240
gctgcagaag ctggagcgca tgggattaat tgcatgcgac gactcgtctg ttggacctga 300
tccagaggac agagatagct ggtcgcatat gttcgtcagc cggcgact 349

<210> 24126
<211> 378
<212> DNA
<213> Aspergillus nidulans

<400> 24126
taccctatac gtgtttctga cggccgcatg actctgcata tgtgcctttc agttccaggg 60
ggcctgcatg gaccgatgga cccgggttca agcaggagtt gtggccagta taccattaac 120
tacgaacggg caatgggtgc gatgttcctt cgaccctgc ctaacgaagg gttggagtta 180
gttgtgtggg gtaccgatgt ggaaggcctc gagcaggccg cccgtcttgt gccaacactg 240
accggagctg gacaaccgga attcgtggtt ctcggtgaca actgtcgtg gaagggccat 300
gcgggccttt atgctgctgg ccactttgac aagttctggc aaatttcgac cgggtcttac 360
attgcgaatg ttgtatag 378

<210> 24127
<211> 476
<212> DNA
<213> Aspergillus nidulans

<400> 24127
agtttgcgac tgagctcaag acagcagatc cgggcatctc agttcaaaag ctgagacaaa 60
atgccatcga taccagctgc ggcattgtga ttagcgcca gtctgaggag ttcttagacg 120
gctggaccat gttaacgccg cggcagccaa acacacttag aacattgcca ttcgagaagt 180
cggttctgct cctcacggat gccgctgtct acagctgccg ctttgactgg aacacggaca 240
aggtactttc atttgagcgg attgatttgc gctcaataac gcggatcatc tatggcacgt 300
atataacgtc taccctgaca gaggtcaat cagatgaaca gcgcaatgtt gggttagtga 360
ttgagttccg cgaaggcgac aacaacgtc tccgagtcaa cactcgtct ctccagagcg 420
aagtcgaccc gaaagcaaac gaccatcaat gggacatgtc ctcatggttc aggggc 476

<210> 24128
 <211> 886
 <212> DNA
 <213> Aspergillus nidulans

<400> 24128

```
accgaatacc tgcaacgact acagaaactc tttcatagag ttgtctaccc ctaccacctt   60
cgtctcttca acacgactga tgatgctgag gatcccgatc gtctttacga gttatatgcg  120
gtggtcgtac acatcggcgg tggtccttac catggacact acgtttcgat catcaagacc  180
caggatagag gttggctgct tttcgatgat gaaatggtag agccggtgga taagaactat  240
gtacgcaact tctttggtga caaaccaggg ctagcctgtg cgtatgtgct tttctaccag  300
gagacaacca tggaggccgt gatgaaggag caggagcagg agaacacgga gccgcctggt  360
gaagtaaagt cgtctactct gaagcaaac gggttttcct cttcggcaac acttgcccac  420
gcccacagcg catcccaggt cccgacatat gaggaccatg accgtttcac gggcttgaaa  480
cgagctcaa ccgcacctca actatcaacg catcctgaac atactaccac agactcagaa  540
agtcgaccct cttccgatcc tgatcctgct cctcttactt cattaccccc tataccgcca  600
atccttgaga caccaccggc tccgctaaca tcgcgaaaga gcgatttgca gtctaaaaaa  660
gaacgggtca aagaagagaa ggagcgggaag gcggccgaga aagaaaaaga gaagcagcgc  720
cgaaaagaga ttgagacaag actcaaagat cgacaacggc gcgaagacga cgacttgaag  780
gcagctctcg aggcaagcaa agtgtcaaaa gaagatgaag atcgacgcaa tcacgccgag  840
aatggtacct ctaagaagaa tgccggtggt cttggacgat tcagaa                    886
```

<210> 24129
 <211> 574
 <212> DNA
 <213> Aspergillus nidulans

<400> 24129

```
tctccttata gatatccgcc tctatcgcca tgcgttccaa gtttaaggac gagcaccctg   60
tcgagaagcg caaggctgaa gccgagcgta ttagagcgaa atatgccgac cggattccgg  120
tatgtttttt ctttcgttat gtgtttgaag ccgtttcttt tttttttttt cttgtgttat  180
cctcataagg aacttgacag ttctgttaca ccgcttggtc ttgttcaagg cactaaacga  240
tattcattca caggttattt gtgaaaaggt cgagaagtca tatattgctc ccatcgacaa  300
```

gaagaagtat ttggtacctg cagaccttac cgatggccag ttcgtctacg tcatacgcaa 360
gcgcatcaag ctgtctccaa agaaagccat cttcatcttt ggcgacgagg tcttgccccc 420
aacggctgca ctaatgcgta gcatttatga agagcacaag gacgaagacg ggttccttta 480
tattacgtat gttatcccag aaccacctgg ggcttttcca ggtgacaaac tgcttgtaga 540
tccttcggag agaacacatt tggcgactgg ttaa 574

<210> 24130
<211> 932
<212> DNA
<213> Aspergillus nidulans
<400> 24130

cggttgttcg gtgatgacga cctcgtatc ggcactagtc ttggtgacga tggccgtcct 60
tttgttttgt tagtcccaat tgatccctca gagacttttt tacagctata tgccaagggt 120
cagaaggtaa ttgcatccgc tgccagctct gtcgcgccgt ctgacttgtc caggcctacg 180
atgaagggtc cgccgaaatc gtgccattgg gcagtctacg atcctatatt caggagaaat 240
cacaatccga gagaacgcct gtctcttcc gattcgccgc ctacgatgcc cctgctgcat 300
cgcaggagta cccggccaat acctttgaaa cgacggatct ggtggtcaat gtggcgcccg 360
caagcacctc tgatggagcg acggagttgg gagcgtacta caaccagcgc ttgttctcca 420
gtgctaggat tagcactatc ttgagccagg tggctcaatt ggttaagaat gccacaagcg 480
acccggagac ggcaattggg cgcattgatt ttatgacacc ggagcagcgc gctcttctcc 540
ccgacccaac tgctgacctg cactggtcta aattccgggg cgccatccac gatataattg 600
ctgagaacgc tgagaagcac ccggaaaagc tttgcgttgt cgagacgaag tccgccactt 660
cttctcaccg cgagttcact tatagacaaa tcaatgaggc gtcaaacatc cttggtcatc 720
acctggttga ggctggcggt gagaggggcg aggttgatcat ggcgtacgct taccgtggcg 780
ttgaccttgt cgtggccgcg atgggtattc tcaaggccgg tgcgatcgtc tcttgatttg 840
atcctgcgta cccttctgag agacaatgta tctaccttga tgtggacgac ccgggctctt 900
atatcattgc gaggtacca ggctgctggt ga 932

<210> 24131
<211> 1425

<212> DNA
 <213> *Aspergillus nidulans*

<400> 24131

```

atgtgggaca aagcgcagca actctatgaa aatgcccgaga tcaaagctcg ttccggcgcc 60
atgcctttct cacaaggcga atattaccta tgggaggatc attggctcat ctgtgctcag 120
aagctacagc aatgggatat tctcagcgac tttgctaaac atgagaatct gaatgatctc 180
ctcctagaag ctgcttggcg aaacatagaa aactggcaga gtgagaataa ccgagaacag 240
ctcgagtctc ttgtgaagtc tgtctccgac gccccgacct caagacgaac tttcttccag 300
gcgtttatgg ctcttttgca gttccacaac aagaaagaga acatccagga gttcaatggc 360
gtttgcgatg agtcaattca gctgtcgatc cgcaagtggc tgcaactgcc gaagaacata 420
acaaatgccc atatccccat tctccagcac ttccaactct tgggtgagct gcatgacgcg 480
agccacatct gttccagcct ctcacagacc aatgagcgta accttgacac caagtctgcg 540
gagttgaagc tattactcgg aacctggcga gaccgtctcc ccaatttggt ggatgatatt 600
aatgcttggc aggacctggt tacgtggcga cagcatatct ttcaactcat caacgcgacg 660
taccttggcc tgctacctcc ccagactaac aatgttgcca gcaactccta tgcctaccgt 720
gggtaccatg aaacagcctg gatcatcaat cgctttgccc atgtctcccg caaacaccaa 780
atgcccgatg tttgtattgc ccagctcagc cgcatataca cgcttccaaa catcgaaatc 840
caagaggcgt tcttgaagtt gcgtgaacaa gccaaatgcc actaccagaa tccaaggaa 900
ctcaatagtg gtctggatgt gatcaacaac acgaacctca actacttcgg tgcgcagcaa 960
aaggccgaat ttacacgct caagggcatg ttctctgcaa agttgaacca tgtcaacgag 1020
gccaatgaag catttggtgt tgctctttat tacgatttga ggttggctaa agcgtggtct 1080
gaatggggtc agtacagcga ccagagattc aagaacgatc ccagcgatta tgagctcgcc 1140
agcaacgctg tcagctgtta cctggaggct gctggccttt acaagaattc taagtccaga 1200
aagctactca gtcggattct ttggttgctt agcttgata atgatgaggg agcagtcgca 1260
actgccttcg agaacttcaa aggcgacaca cctgtttggc attggatcac ctttatccct 1320
cagctactta caagcctatc ccaccgtgag gcgcgcctgt gcaaagctgt tttggtcaag 1380
actgcgaagc tgtaccctca ggctctgttt ttcttgctgc gtacc 1425

```

<210> 24132
 <211> 1212
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24132

```

gccgacgagc tcctgggtca aggatggctt gcagctaaca tcacagtgct cgagcaaggc   60
ccgctctcct tgccggggcgg ctcgacttcg cagcggccag ggctcgtctt ccagacgagc  120
ccgtacatag caatgacgcg gttcgcacag tacacggtcc agaagttaca gcggatcgag  180
aaagatgggc agaattgctt caatcagcta ggtggttttag aggtcgcgac gacgccagaa  240
cgagtggcgg acgtgaagcg aaacactggg tatgctgtct cgtggggagt cgatgcccg  300
cttgttgatg gagacgagtg tcgaaggctt taccgcttc ttaacaagga aagtgatggt  360
gtgctcgggg gtctgcatat caagactgac gggctggcgc ttgcggcgcg cgcgacgggg  420
attctgattg agaggaccag gggggctggt gtgaagtatc gggagcacac tgccgtcacg  480
gggatccttc aggagaacgg caaagtcaag ggggtgagga cgagcagtgg ggaggacttg  540
tacgccgaca atgtcgtttc gtgcgcgggc ttctggggcg tcgagattgg gaggatggct  600
gggggttgga tccccctgct gccgctggca catcagtacg caaagactag tcctatcggt  660
gaactgagca accgtgatgc gaacagccgg atgaacgggc tcaatgcgac tctgcctatc  720
ctgagacacc aagaccagga cctgtattac cgcgagcacg gcgaccgagt tgggatcggc  780
tactacggac acaagcccat gcctgtcgac gcgagggctc tcggtgcgac acccaagcat  840
gttgacgaaa aaaatatgcc atcgagactc gagttcacia gtgaggactt tgcgccagca  900
tgaggaggaga caaagaagct tctccctgcg ctgcgaaacg cacaggttga cgacgggttc  960
aatgggggtct tttcctttac gccagacggt gggcccttag tcggccaggc gccaatctc 1020
gacggcttct ttgtggcgga ggccgtctgg gtaacgcact cggccggtgt ggcgagggct 1080
atggcagaga ttctcacgaa agggtggttg agcattcatg ttctcgagtg tgagcgatca 1140
cggtttgagc gtgttcagct gaccaggtcg tatgtcgagg aggcacgca gcactgcttt 1200
gtcgagatct ag                                                    1212

```

<210> 24133
 <211> 950
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24133

cgccgaacaa cccaccgaaa cgcccccaag cggcagaaga ggaaccgagg catgcagcga 60
aaggagaagt caaacgagtt tgacgaagtc ctacaagccg acgttgacag actactgaaa 120
agcaagcgag acggcagccc agccgctgcc actccccgc agcctacgct cccagaaccc 180
tttacagaga tcgaagtgc agtcgccgaa atatcctcga cgggtgatgg gctggcggtg 240
tccgaaaatg gtgaccatgt ctatgtcgtc ccttccactg ttcccgggtga caaggccctt 300
gtgaaggctg tgccggcacgt caatgcccta tctacagcg tgacggactt tatcaaggctc 360
attgagcccg gtccgcaacg gcgagacgac gcaattggat gcaaatactt tggcaaattgc 420
tcgggttgtc agctgcagat gctgtcttat gcggaccagc tggcgcataa gaagcgcctc 480
gtggagaagg cgtacgccaa cttctccggc cttattccgg aactgattcc tgccattggg 540
gatactttcc catctcccct gcaatacggg tacagaacta agctcacacc gcactttcca 600
cctccaaaac gcaatgacgc cggagagccc caagtaccgc ctattggctt cacatacaag 660
aaccagcgcc gacacctaga tatcgaagac tgtccccttg gcacagacat cattcgagca 720
gggctcaaaa gcgagaggaa gaaggtagcg gaaaatttgc agcagtacaa gaaggcgct 780
acgatcttac tgccggaac aacttcccgc acaccaaga gctcgacaga caccgaccct 840
acctccgcca caaaaccac cgtaatcacc tacgaaaaca agaacatgcc acaccaagaa 900
tcaggcgacg tcatcactct ggatcggccg aactatagcg aagagaaacg 950

<210> 24134

<211> 689

<212> DNA

<213> *Aspergillus nidulans*

<400> 24134

ctacggaagc tctgatggc gttgaacgag tgactgagt ggggccgagt cacaatcctc 60
acgacactgt ctgagtacag aaccagcgct gtaaacgaag cagagcagat ctgcgagcga 120
gttgaccccc agttccagca cgcaaaccct agtgtggttc tcgctgctgt caaacagtc 180
ttcttgcata tgaaaataat caatgcggag ctatcgaaaa actacctcaa gaagatggcc 240
cctccgctag gtattccgag tgttctctgg tgtttaatat tgaactgcta atgaatgttt 300
cagtgacctt agtatcatct gctcccgaag tgcaatatgt cgccttacgc aatatcgatc 360

ttttgctcca aaagcagccg gacatcctta acaaagagct cgcggttttt ttctgcaagt 420
 acaacgaccc accttatgtc aagtttcaaa agctcgaaat catggtgctg atagccaacg 480
 accgaaactt cgaccagcta ctagcagaac tgagggagta cgccctggag gtggacatgg 540
 atttcgtccg ccgcgcggtc aaggcgattg gccaggttgc aatcaagatc gaaagcgctt 600
 gtgagaagtg tgtcaatact ttgctcgatc tgatcaacac caaggtcaac tacgtggtgc 660
 aggaagccat tgtggtgatc aaggatctt 689

<210> 24135
 <211> 2470
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24135
 agcagaacca gaaccagagg ttgcgccgga gccggagtca gaaccgatta cactcacaaa 60
 gtccgaaagg aagaagttaa agaagttaaa gaaggctgta cctgagttga agcccatgcc 120
 ggaagcggac cctgagccag agccaaagcc agagccagag ctggaaactc cagcagaacc 180
 tgatgcatca cccgaaggag gtgagaaggc cctagacgta gagactgaac cagcgcttgc 240
 tccaaagcct gagaagatgg ccaagaagag caaaaagagc tcgaaaaagc cagtgccgcc 300
 acaagaacct ctcaccgctg aagatatgat ggctagcggc gccttagaac cggacgatgg 360
 taaccctaag acacccgaga agcctgtcaa gaaggaacgt actcgtgtag agcgcacacc 420
 tgctaccact tggggcttct ggggtgccac gcctcctaag aagtcacaga caagggatgc 480
 caggcccagc aagaaggaag cagcgccagc cattgtgagg tctaagtcga gtaagcagtc 540
 aagggcgagg gaatctgaga acgaagcaga gagatcttcg gcatccgaca aggacagacg 600
 gcgagaagtt agggctagtc gcggcatggc gttctcaaac ttcatacttg gcaacacctc 660
 acagccttct cgcaccaatt ctgccagaaa gtctgctgct cacgctgcca agcggtcatc 720
 taaacaacag tcggtcgaaa tagatgagag cgggcatctg gatgatgttg cgccggataa 780
 agtggcgaag atgatgggag ttaaggaatc aagggtcccag catgaaaggc atagggagcg 840
 gagaaagtct cgtacgtaca acctttttat cataatggca gggttctaata aaccttaggt 900
 gctctcgacc catacgccct tgacgaggaa gatttagtcg tggtaaataag agaagacgtc 960
 gaccaaccct cgaaggaagg ctcaaggcat tctggctcca ggcgatctgg acgagactca 1020

gcgcgacggg taagatcacc tatttcaata atatcgcccc tctgacatcg tctagtcgag 1080
 atctaacccc gaagagcttc gcgaggatga aagaggccca gaagtattct ccggcccgga 1140
 tgacatcgcg tttgtaaaag cttcacaatc aagagaaaga gaacgtcgtg tgaagcgatc 1200
 aagcaccgtg cccaagagac cagagcctac cggtttaatg ggcttgcttg ggtctttccg 1260
 acgaagcacc aaggcagaac ctccggcccc agagcgtcgc aagtctcgat cccgccgtga 1320
 tgacgacagc agatacgcaa ctgagacgga acgtgacgaa gctcgacgcc ggcgcgatga 1380
 acgacggaaa cgctctacgc gccagcctc ggacggcgag ggatttgccc ttggccccga 1440
 ccctgctgtc gtcggcgcat ttctgacac cgaggtcgag gatgcggagg ctcgacgaac 1500
 tgcacgcaga gcacggcgtg cgtcacgcca ggctccgcag gctgcagctg acgagctacg 1560
 tgaggctgag cgtcgcgaag gcgaggagag acgggcacgt cgaagagaag aacgagctcg 1620
 tcgagaagaa cgagcccgcg agcgcgaaga acaagaacgg cagcttcggg aagaagaaga 1680
 gcggcgccgc gaggagaggc ggcacgaag agccgctcgg gaggagcgca ttcgtaggga 1740
 agaacaagaa gcacgggagg aagaagctcg cttagcagcg gaacgacgag aacgcagacg 1800
 ccagcaggag cgagagcggg aagcagagat gcacgattac cccggttacg gctacgaaag 1860
 gcagcgacgg caccgttccc gcgttgacga tagggatcca agagatttct acctcgatag 1920
 ccacgagccc gaaggcgaac gtgagcgaat ccggtttatc catcggtaca aagatgaccg 1980
 tgaccgcgat cgtgaagccg acagatccag ccgcagccgc cgaaaatccc gcgcagctga 2040
 tcccacaaaa ccaaccccaa tgccgctcgg cgcacgcaaa gacaagactt cctcttgggt 2100
 agactcgcaa gccgatgaac cgcccgagcc gcctccatt gtgccaccg tgctcgacat 2160
 gccgccaggt ccggacgagc caataccagg ccacaccatg tcgtcagatg aagaggcgcg 2220
 tcgggagttg aggaagcagt cgaggcgacg aagcaagtat cctggcctga ctgaccagga 2280
 aatagaagag atacgggcca ggaggcgtga ggcgaggcgg gcggaaaggg aacgcgagag 2340
 ggaacatggg aagacgagct cgagtgggga ttatgagcga gacagaggga tgaggtacga 2400
 ccgtgatcgt tcgtacggtg aaccgcaaaa gaggccaagt tggttgaaga agctcacgac 2460
 ttttgatga 2470

<210> 24136
 <211> 585

<212> DNA
 <213> Aspergillus nidulans

<400> 24136

```
atggtctcag ctctgctttt ggcgcgccgc cagaacggcc gagctgctcg atgcctcgac   60
taccccaagg tcaagtgctg ggcacttgcg tctttaccta aatcgtcctt cgagaagcca  120
ggattttctc aagtacggag gttctcagtt ttccatccgc aatcacaagt gaaccttgac  180
ctgactcgga atatcggtat aatagcacac atcgatgcgg gcaagacgac cactacagag  240
cggatgctct attatagtgg gctcacaaga cggataggag acgtggatga aggttccaca  300
gttacggact tcttccttgc agaacgcgcc cggggatatca ctattcaatc cgctgcgac  360
accttccact ggccgcctgc ggagtgcggc aatgctactc ggcaagacc tcatctcca  420
agatctgcgt catctcacat ggtaaacctg atagatacgc ccggtcacgc agacttcaca  480
ttcgaggttc tgcggtcatt ggcattctc gatggcgag tgtgcatcct agatggtgtg  540
gctggtgtgg aggcacagac agagcaggtt tggcaccaag cgagt                    585
```

<210> 24137
 <211> 213
 <212> DNA
 <213> Aspergillus nidulans

<400> 24137

```
gaggagctgc ggatcaagga tatcgaattc gtcgagaagg tgttttagaa tctgaagaag   60
cagacgagac gtggtggaca gtctctggag atgaagaagc taagagaaga cgaggccacc  120
acagccaagg ttctcgagtt cttgcaggcg ggcaagaaca tcagacatgg tgactggacc  180
cctaaagagg tatgcttttt tttcaccctt ttt                                213
```

<210> 24138
 <211> 791
 <212> DNA
 <213> Aspergillus nidulans

<400> 24138

```
atgcctcagc tcaccgaatt tatttacttc cagcccaaga gctccgtgga gcctgagaac   60
ccctcaagcg acacaggcgc cgcccttctc cagctcttca aagcaacaac acaacaaagc  120
ggacaccttg gttctgcatg gggtcgtacg aaggaggata agaacgttat cgtttgggcg  180
```

atcggtcagt acagcatccc tacaaatgca tcctccggcc caatccacaa aacaattatc 240
aaccatatca agaagatgaa acaatctcct aatgagtagc agactggtcg gacgcccaca 300
gtgggattca acaaacgaac tccccgctcg atccctatat tgaggaaaac acccaaataa 360
caaccctctt cacaactctc acaccaccg actccgacga caccacagca acatccacgc 420
ttgtctcaaa ccccgtagacc gagctcgcg cctctggcctt cccaacttcg ctctcgtcag 480
ccgaccgctc atctctcgtc gctcacctca ccacattccg caagaccctt tcagaagacg 540
cggaggagaa ggtgcgcccc aaatcgtttc tgcttgggca ggttgagagg ccgggagagt 600
ttgcgcatgg gaagagtga g tccggtcagg cgtttgttca tttcctgggt cttggctggg 660
agagttatga gcagcatcag caggcgaggg acacggaggg gttcaagagt acgattacgc 720
ccatcaggga gaagatgggt tcgccgttag atcgattggg aatgaagcac gttaagttcc 780
agaaggtgta g 791

<210> 24139
<211> 748
<212> DNA
<213> Aspergillus nidulans
<400> 24139

caccgcaaca cccccgagaa caaccgctcc attcccttca agttctccga acagaaccaa 60
cagctcatcg aggaaatcat cgcccggtag cccctcaat acaagaaggc agccgctcatg 120
cctttgctgg atctcggcca gcgtcaacac ggcttcacaa gcatcagcgt catgaatgag 180
gtcgctcgca tccttgagat gccccgatg cgcgtctacg aagtcgcaac cttctacaca 240
atgtacaacc gtgagccggt tggcaaatac tttgttcagc tttgcacgac ggtacgctgt 300
atcatttcgc atcgtaaaaa tgtgtgatca tgactgacaa atcctcaaga caccatgcc 360
actcggcggc tgcggaagcg acaagatcgt caaggccatc acagaacacc tcggtatcac 420
cccaggccac acaaccgaag atggcctgtt cacattcatc gaggttgaat gtctcggtgc 480
ctgcgtcaac gctcctatgg tccagatcaa cgacgactac tacgaagacc tgacccccga 540
gtccatcaag gagcttctca ctgcgtcaa agaatcccg accgccacct ccggccaggt 600
taagatccct gctccaggcc ctctatccgg cagaatcagc tgcgagaaca gcgctgggtct 660
cacgaatttg cacaaccccg tgtgggatcc cgagacgatg atgaggaagg acggtgccct 720

ggacggggag ggcagcagg cgcaataa

748

<210> 24140
<211> 1059
<212> DNA
<213> Aspergillus nidulans

<400> 24140

cagaagtcga aggctaagcc tactctcacg cgaaaagacg agaataaaaa gaacaagagc 60
gagcctctcc tccctaccaa acccacagaa cctcgagaat ttgactcaga gctccgagac 120
gtcacaggcg tgctccgcaa actggctcgc gaatgggtcc atcgcaaacg agcccttcgc 180
ttcctcacag ccgtccgaaa gatccaaacg aaccggaatc ctcaggccat ccctgcgtgt 240
gacaattgcc aaaccagcc gggcgtttta tccaaactga acattctcgg atcgtgcggt 300
catgccctct gttcaaattc agactgcacc cagaaaacac ttgagaagga ggaatgcgtg 360
gtcgagggat gtcgcgggtc tggcaaaaat tttaatatca ttaacgctat gacgcttgga 420
tgcgacacta cttcaactcc aactgccatg tccagcgatg gggatagtaa cggggatatt 480
gaccgaagct ccaaacacgg cggaacaaag ctcgaggcgc tgatcaacat catcaccaaa 540
ttccccgtcg aagagcgcg cctcctcttc gtccaattcc cggacctcat gacggtcgcc 600
tcaatggccc tctcctctgc aggaataaaa cacataatca tcacaccaac agaccagaaa 660
acaagctcga aaatcgagaa gttccaaaag gagggattcg gtgataccaa agtcctcatt 720
ttgaatctgg gtaatgagat ggcggcagga ttgaacctgc agtgcgcaaa ccacgttatt 780
tttctttcac cgtttcttgc cgaaacgcag tatgactacg actctgttat gattcaggct 840
gttggccgga gtaggcggtg tgggcagacg agacatgtgc atatttacca tctgctggcg 900
aagatgacga tcgacgtgaa tgttttccag gagcggcgcg ggaacaaagt tcttggtgaa 960
cggggtgggc gggcgacttt gttggatgct gaggaggcgg ccgaggatga gacaatgact 1020
tgtcaggggc cggctatggt tgttgaaaat gcgatctga 1059

<210> 24141
<211> 805
<212> DNA
<213> Aspergillus nidulans

<400> 24141

acaagatgct ttcatggaga cctacctcgc ctcgcaacga gggaacatct tctccgacgt 60
 tgcagtccta atatacgtct tcgacattga atcgcgtgag gtcgaacgcg atctcgacac 120
 atacatggct attattgccg cattaagaga atacagcccc cacgcctacg ttttctgcct 180
 tgtccacaag ctcgacctca ttcaagccga gcaccgcaa cgcattctatg aggagcgtc 240
 cgcgctcatc cgcagccgca cagaacactt cagcatcgac accttcggga gcagcatctg 300
 ggaccagtcc ttgtacaagg cctgggcggg catagtccac aaactcattc cgaatcttag 360
 cgttattgaa cgattcctgc acgcttttgc caagcgtatt gatgctgagg aagtcattct 420
 ctttgagcgc tctactttcc taacagtgc atctgtctcc tctgaaatcg gcgatttaaa 480
 tccgatctat gaccgacatg aacgattatc aaatattcatg aaggcgttca agcactgcgc 540
 tgctcggaat acacacacga ctccggcttc ggcaggcttc gttgtcatgc ataccaaaac 600
 acctcagttt aatgtcttcc tcggccgctt cactgacaat acgtacatct ttatcgttgt 660
 gccaccaggc gaggcagcat acaattgtgc cgtgctgaac accatgctcg caagagaggg 720
 cttttctaaa gccgcagggtg ctgtccacgg tgatggcttc ccgcttctg cacccgactc 780
 cccagatgag tcaaatagca actaa 805

<210> 24142
 <211> 249
 <212> DNA
 <213> Aspergillus nidulans

<400> 24142

gttgactggg acgtcgttgt tgacctttac ttctaccgcg accctgaggc tgaggagaac 60
 aaggagggtg ctgaggagaa ggttgccagc gctgaggatg tcggtgccg tgccatcgag 120
 tctgcgttcg ctgctgagag ctgggatgct cagggtgctg ctgcccctgc tgctttcgcg 180
 gctgccggtg ctaccagctg ggaggctgac ggtggtgact gggctgccag ctctgtcccg 240
 cccctggtg 249

<210> 24143
 <211> 1791
 <212> DNA
 <213> Aspergillus nidulans

<400> 24143

ccttgtcgca aatcaaagct taaatgtgac catggacggc cagtttgtgg acgatgtatt 60
gcgaaaaaca ttacgcagag atgcttttat catcctgcgc ctatgaccaa ggatgcatcg 120
cagcctccat cttatcgccc tgccaagagg ccaaggacgg aatcttcact gtacgttcac 180
cagcttagtg gaggaagcag aaggcaaaag aactgattta aatagtacgc caagccctga 240
accaacatct gcgtcgggta ctgcatctgc atctgcatct gcatctacgg tgcagtacgg 300
acttcgcctt gcagccgcag accagcgccc ctccacaaca cctgggtatc taggctcgac 360
cagcttttcc gccgtcttca gcgaacaccg cgcaaacata tcctttgagg agggtaacca 420
tgccccagac ggggtactat ccaaattaac ggacgggttac cgtcttgagt ccggcctcga 480
agtcacaaag tttctctacc ggaacaacat atgggagatc ctgattcgca agttctacgc 540
tgggcacttg atggccggtg tctcaaacct catcataaga gcgattatca tatcccttcg 600
acggatcttc gacgccattg accgtgagaa agacgtcgaa aagcacgtcc gcgatctggt 660
gcagcgcata ttccagtcct cggtcatcc actgacctcg catgcgtcca tgacggtcga 720
agagtatttt gcctcgttta cagacgagaa cctgcgctgg gaggtagttg gtcttgtttt 780
ggcgacggcc gggatcgcaa tgatgtccac ctacagatgac gaccccgatg ttctgcgggt 840
ggcgctgac gcacagggcg cggagatgct ccgttcacgc ttggtcgagg caagcaggac 900
gtgtcttttg ttctgtgcaa cagcggcgtc ggttaatgaa cttctgggct tctatcagta 960
caacgatatg ctattgcgta cgcagtatta tggggatacg agtacgccct gctctcatga 1020
caciaaacatt gccactaacg acagtatatg ctacgccgcc tggcgcaaac ttggcaatct 1080
cacagcgacc atatatgcag ccggtctgca tcaggaaagc acacgcgcac aaaactgtcc 1140
tccattcctg catcagtggc ggaaaatgtc gttcgctgct gcattctacg cagacaagtc 1200
tctttctacg ttcggtggga ggccgccatt tattaattat cggtagtctg ctatttcacc 1260
gccgctggac attaaggatg aagacctgat tgctggcgag gagcagctca ggcgggcaat 1320
ggctaacttc gactcctcag ggtggaatac gaaaggcaac acgctgcggg gaagcctggt 1380
gcgtttacgg ttccatttgg cagtgtgag agagcaggcg cttgagattg cgctggggaa 1440
ttatgatgac aagacgattt tgagcaagta taagtgaagta ggctctagct ccaaccccg 1500
tgtggtaccg actgactctc tgtagtgagc ttatccaaac cgcccagaac caatggcagt 1560
catgtcctgt ttacctacga catgaccagt acatcccga tggagaatcg cctaatatca 1620

ccttcgcgag acgccacatc tacctcgatt atctgtatac tctattcttg gttcagagaa 1680
 tggtcgtcaa gcgaacaaac accagccagg aagccctttt catgacctcc cgggaggtcc 1740
 tcgccatcat ccttgagggtc actggcgaaac ggcacccggg agttgatatg a 1791

<210> 24144
 <211> 450
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24144

ggcagacgca gcactcaaat tgcagtgaat tatgggggta acaatgtcaa gtcgatgaag 60
 ttggcgtag aggcgtcatt gaagcgggtt aggacgaact atgtggacct ctattacgtt 120
 cactgggtggg attattcgac gagtataccg gagctcatgc acgccttgaa tgatattgtc 180
 agctcgggca aggcctttgt gggcatatcg gatacccccag cctgggttgt ctccaaggcg 240
 aacgagtacg cgaggcagaa aggaccgagg caattcgtgg tgtaccaggg gatgtggaat 300
 gcgacgatgc gcgactttga gcgcgatatc atccccatgt gccgagagga aggaatgggt 360
 ctctgccctt atggagtcct taaccaaggc cgcttcaga cagaagaggg tttccggagc 420
 gtgaaaaaca caacgagggg cggaatttaa 450

<210> 24145
 <211> 1036
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24145

atgccgacca cgcaaacgat ccgtgtcccc catctgggag gcatctcagc cggctacgcc 60
 ctgtccggcg acaagtacga cgctccaag ccgacctgag tgctgatcaa ctccatgtgc 120
 atgacgaccg cgctgtacaa tgaccagttc gaggatgcga gcttgacctc ggccgtcaat 180
 ctgctcgaa tcgagccact gggccacggg tccaccagct gtgcgactga gcacttcacc 240
 tactgggaca gtgccatcat ggccctgcag gtgctcgacg cactcgggat ccaaaatgcg 300
 ttcgccctgg gcacgagcca gggaggatgg atcgtgacga ggatggccct gttggcgcca 360
 gagcgtgtac gttgggcccc atcgcggatc tgtgtcctt gccagggcg aagcactttg 420
 gcgggacact cgagagctaa tagaagaaca ggtgcttggc ctcatccttt tgggcacctc 480

catggactat gagtctgtgg actccaggag caaaggatgc tgggatactc tccccgtgct 540
aaagcccttc ttcgatggct ggaccagtga cgccccgacc cctgatttcg tggtcgagga 600
gacctggtgc aagatggtcg gcgccgtagg attcggcaca tttgctaccg aggagcgagt 660
gaacttctgg acgaagacac tgcaagaggt gtaccggggc gatgaaggcc gcaagaaagt 720
gcgcatggcg ctgacgtgtc tctcagagcg agatgggtta ctattgaggc tggttgatat 780
caaatgtcca gtctactggc tgcaggtacg caatccgtcg cttaaattcg aatcatagcg 840
gttaggctga cagtcttagg gcacggatga tacaccgttt gccacaacag tgccggcaga 900
gcagattaag ctcttcaccc ggtctaaaga agccaagctg gaaattatcg agggcggcgc 960
gcactacctg aatgctactc acccaaagca agttgacgag gctatcttgg agctgggtcaa 1020
gaagtacgcc gtctaa 1036

<210> 24146
<211> 246
<212> DNA
<213> Aspergillus nidulans

<400> 24146
cagatctaga cctcatactc tacaaccgcc gcaaccgcct tcgtcgagtt caacaacgct 60
aaagtccccg ttgaccacct tcttggtgaa gagcacaagg gttttattgt cgtgatgtcg 120
aacttcaacc acgagcggtta catgatggtc tgcgcggttg tgcgtttctc catgacagtt 180
gttgaggagt gcctgaaatg gtgcaaacag cgtatcgtct tcgggaagcg cctgatcgag 240
cagcct 246

<210> 24147
<211> 890
<212> DNA
<213> Aspergillus nidulans

<400> 24147
gcagccctgc agccattctc cttgcgcaat ggattgacga gtctgacact gaccacatgg 60
tatcgatgat cagtgtctggc ccaacctcgc tcggtgactg gatgttactc gcattgagtc 120
agatgaacgg ccagtcccag gccacaagg tcggccaggc ctttgtccag aaactgctcg 180
agctcggcga tgtgcacact gcggctacga tcttaattgg gttaggtgac agagatgatg 240

caatcgaggt gtatgtctcg caaaattact acatggaggc cattctcatg acgtgcctgg 300
 tgatgccgac cgattggcag cgacaatcgt accttgttcg acgatggggc gagcatgttg 360
 tcgctcactc ccaacaacaa ctcgtatttc gctgcttcat gtgtactggg gtagagcctt 420
 ctgatccctg ggcattctcg gcagttcacc aagcacactt caaagatatg attcccggta 480
 ggtcgccagt cggatcgccg gagcctgcgt atcaaaaccc tgcaagtctc cttcacccga 540
 caactactgc aggcaatcgt cagtcgctca agactccgtc gctcaagtta atcacttctt 600
 tcgatggaca gccaaaccag cgtttccgat tccttggcct caaatctgac gatcgaacgc 660
 caaccaacgc ccctggaatc actccaattg cagattcagc ggccggatct tctgcccttt 720
 cacctggggg cttcgggtca tacaagctga acaatattca aagcctcaac aatgccatga 780
 attctcggac aggcacacca ggcttctcaa agcaacgtct gccgtcaatt ggagaaaccc 840
 cagtggatgt tcacccttca acattcctgt ttaaagagac aaaaaattag 890

<210> 24148
 <211> 717
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24148

gaggagtatt ctagagattc cctccagaag aagctttcca cacttggtga aggctcgaac 60
 cgccactatg aagtgaattt gtcccgggag agattcaacg ctgcgctaaa tgaagtctta 120
 taccgaagcg gacgtataga cgtggcaaca tatcacggcg tcgtggtgtc ttcatttgga 180
 gatctggacg tatcagcgga ccagaaggc ctgtgcgcta aagcggatgc gtttatttcc 240
 ttcaacacag cctcggcaga acaaccgccc cagcaccag aagtccttaa aaagtcactt 300
 ggtctccggt ggcaagcatt atccacagcc atagacatgt taaccaaagc gtccaaactc 360
 ccagatgccg aaaacctacc caagattcac ctgcgagag gcgatgctga aatgagcagg 420
 tggagactcg gtttcgcgcc atgggaacac agcatggcgc aacagtacgg cgcgactctc 480
 cttcggaatg ctcaaacgta ctatcggggc gccgccgcat tagcccgaag agacggaggt 540
 gctgatgagg agcgcgatgg aacgtgcaaa gaagcaatcg cagccgctat cgaaggccag 600
 aaggagaaac tcgcccact caagggctca gcgcctaagg agctgctgca ggttgaagag 660
 gacatggtag aggaaggctg ggtagcggg acaaacatgg aagcgtgtt gtcgtag 717

<210> 24149
 <211> 1224
 <212> DNA
 <213> Aspergillus nidulans

<400> 24149

```

atgtcatctc tccgacacct cgcgccccgtt ttccgcgcct catggacggc tcgccgcacc 60
tacgccagtc aaacccccagg caatcctgtg ctcgaaatct tcaaccgcaa ggttaaacac 120
ctccagaaag accgcgccccg acagaatgtc gaagagagtc gaaaagtcga ctacctcaga 180
gatgaggtgg ccatgcggct atgtgaacgt cttcttgtac ggcctcacc atttctctat 240
ggagcctagc tagttagcta gcttagctag tcacttctgc agtagaggag gaagactgat 300
aaagactagg acataaaacg aagattcccc aatgttctcg atctcggtgc aaacagctgc 360
aacattgcgc gcgccctcac aactccatt cccccctcg acgcagcagc agccccagac 420
ggagacgcag acgcggccgc cgcaggagca acgaccataa ccaccgaggg tgcgacaatc 480
tccccagggtg gagagccagt cacccttgca gaccggatag accacctcac ctgcgtcgag 540
acctcgtcgg ccctcctgca cgcgcagca gacctccctt tcaacaaact cctccctata 600
acccgcaagg tcattcctga tctcgagtct cttccctacg aaccaaacac ctttgatgca 660
gttctctcgt cgctttcaat cactggata aacgatctcc cctcgttgct ggcaaacgtg 720
aattcgatct tgaagccgga ctgtccgttc atcgcggcga tgtttggagg tgatacgctc 780
tttgagctac gaacgtcgtt gcagctggcg gatttagagc ggagaggtgg tgtctcacct 840
catgttagtc cgcttgcgga tgtgagagat gtgggagggt tgttgaccaa ggctgggttc 900
aagatgctta cggtcgatgt ggaggatata gtggtggaat tcccgatac gtttgccctc 960
atggcggatc tgcaggcgat gggtgagaac aatgcgattc tgcagcgga gcagggccct 1020
atctcgagag atgtgttgct cgccaacgag gcgatctacc ggcagctgca tatggaggag 1080
gggagtcgtg gtattccggc gacattccgg ctgatataca tgatcggctg gaaagagggg 1140
gaaggacaga gcaagccgtt gccgagggga agtggggagg tcaatctgaa ggatattctt 1200
ggtggtggtg atttcaggcc atag 1224

```

<210> 24150
 <211> 318

<212> DNA
 <213> Aspergillus nidulans

<400> 24150

atggatttaa ttaagtgggc gctggagggt acattcgggt ccattgaaga aattggcacc 60
 gacgaggatg cagagaagga ggatcaacaa agcgaaagtg aagagaaaca acgcatgaaa 120
 gaggaggctg atgaggaaat acccatggag aagcctcaag catacctggt tatgggctgc 180
 gttgtaatca gataccaccc ccggactcgc gaggtcgagc ttcagtggga agggaacatg 240
 atgaatgacg ggattgccga tgcagtcatg gccgtcctac ttactgtgga gagcagccca 300
 gcatccgtga aacgtatg 318

<210> 24151
 <211> 531
 <212> DNA
 <213> Aspergillus nidulans

<400> 24151

ccgacacaga gggctgccat ggaggtggtt aagttttggg aaaccaagca ccacgccctc 60
 actttcacta ttgaagatgg tctcaacgcc ctatcggatg ttatctacca tctggagaca 120
 tacgatgtga ccactatccg tgcgtccacc cccatgtacc tgcttagccg gaagatcaag 180
 ggacttggag tcaagatggt tctgagtggg gagggtagcg acgagatctt cggcgggtac 240
 ctctacttcc atgctgcacc caacaaggag gagttccaca aggaaaccgt tagacgtgta 300
 aagaacctgc acttggcaga ctgcctcaga gccacaagt caacatcagc ctggggccttg 360
 gaggcgcgag ttcttttctt cgacaaggcc ttcattgaga cgtcgatgtc ggttgatccc 420
 caggagaaga tgatcacaaa ggaccgcatt gagaaatata tcctgcgcaa ggcgtacgac 480
 acttccgatg agcccgcgt cgagccgtac ctgcccgcga agatccctat a 531

<210> 24152
 <211> 287
 <212> DNA
 <213> Aspergillus nidulans

<400> 24152

atatccagga caacaagtgc tcttggttag tgaaccaggc tctgcagcgc tgcagtgccg 60
 agcagcgcaa ggtgctcgac gctgcctatg gtcgtaagga cgctgagcaa gaggccaagg 120

tcaaggctat tttccgggaa ttggacctcg aatccgtcta caaggagtag gaggagaaga 180
 tcgtgggtga gctgaagacg aagatcgagg ctgtcaacga gtcggagggg ttgaagaagg 240
 aggtttttga ggcattcctc gggaagatct acaagcgcag taaataa 287

<210> 24153
 <211> 1225
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24153

gattgagata ccatcgacgc cgggtgaggc tagcgacgtc actccaacaa atcccgacac 60
 accaaccctc acatccatac gcaatgcctt cctccccgaa aactgcctct ctgcacgctt 120
 cacaacgacc gccggtcctg atttacgcga agtccaaggc accgtatacg ttggcaccca 180
 cagcgacggc gacgagcgag tcctctggtt caagatcgat caagggcccg gcgctgaaaa 240
 acgtctatac cccaccgtgt acatgctctg gcataatgca aacatcgtag cattgctcca 300
 cacaccagag tttgttatgg ggaagctccg gtctggcgcg gacctgatga ctccgggcct 360
 ggcaaagtag cctccgtttg atgagcgcg agtcaaggga gcagttgtcg cgggtggcgag 420
 cttggatagg gtggctgtgc cgttggttgt ggggggtttgc gaaattgatg tttctgctct 480
 tggggagggt caggggacaa agggacatgc tgtacgggtt attcattggg agggggatga 540
 gttgtgggag tggagcccgt cctcgagacc tgggtgttct gctccagagt atctggaggg 600
 gtgggatgag gtggaggaag agagagaagc tggatattgag gaaaagggtc aagggctaga 660
 gttggaagat aaagatgggc aggaagtcga agcagacgct gcagagcctg ctcatgaagc 720
 ggcggaagag ccgattgccg agaaagagcc tacaacgaaa ggtacggttg ccgttgctac 780
 cagactcaaa atactaatag gagcagaaat cgatgatgca ttcgaaaagg cttttcttta 840
 ttctctatac aaactaaagc aggacaacc atcaacacc aacctgggc tgtctctccc 900
 tatctcgccg tcagcattca tggcaaaccat gatcaccggt tatctccctg tatacaccgc 960
 acagcaagct cagtattacc aaatcaagaa aacaagctgg aagaacgtga agaagttcat 1020
 caagtacctc gacaagcagg ttctagtga gtcaaaggac cgcagcgggc aggaaaccgt 1080
 tattcttgac gtggactttg acgaccgccc agtcgtcaac ttcactccgt acaggctccc 1140
 gaacaagaat gcagtcgaag gcgcaggaaa gtcgtcaaat gcggctggca agaagcccgc 1200

aacagctgca gacggcgacc cctcc

1225

<210> 24154
<211> 780
<212> DNA
<213> Aspergillus nidulans

<400> 24154

cttgcaactgt ccatagtgcc ggcgtcattg tccccgttcg ctacagccga acccttgcca 60
tggagggctt cgacaccatg gcgttgccct atctggcttc cccgctgtcg ttagggaata 120
tgcagggcac agattatctc aatgctttgc aaggcatgga ccttctgat caacgatcaa 180
actttgactc cgagacattc gttaggtgcg tggtcctttt gttcttttgc aaagctttct 240
ctctgacggg tcttttcttc tagcggagac gatttgacct ttgcccactt atctccacag 300
aactgaagc gattctcttc cggttacgag gactcgttcc cagagatggg cacttccttt 360
gacccccgc ctccagctga gccgcctgcc gactcctcca ttgaccataa taacaagcta 420
ttgagcttct cgatgccagt atatccgtgg actctgcttg attattcttt tcgacgcgcc 480
tcaatatcaa tttcagctca gctgcacggc atgtttttcc ttgccgagtc accgtggacc 540
acgtctccga cagaaaatgc tccgcctcag caaggagcag aactgacctg ctaccggcga 600
aatcttttcc agatcactgg ttctgtaacc ctctctcggg ccctgcgcta tatcatcacc 660
gacaccggtg accggatacc tategtcgcg cacgaactga cagtgtcggc taccgagtct 720
gttgagggca attcgggtcaa gattatTTTT gtgcccctgg aagactcccc ctgcaaatga 780

<210> 24155
<211> 653
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24155

gcctttggac atcctaccac tttaaactca caaacaatt caatatgcgc cgctcattat 60
tacgggctgt cgagtccacc aaacccttg ctcggtgtc acgtcagtt tcgcgagggt 120
acagcaccgt caacgaaact ggcaccaagg taaggaacag gcgatgcgct ctaccctgta 180
atcaagattc ggctgacttt gagctcgatt cctggattgt ataggatccc gccgagttag 240

accaaatacac tacgctgccg aatggcatcc gcgtcgccac cgaatctctt cccggcccct 300
tcgcaggtgt cggagtttac gttgacgccg ggtctcgcta cgaggatgcg agcttgcgag 360
gtgtgagcca tatcatggat cgtttggcct ttaagtcaac caagacacgc actgcggatc 420
aaatgcacga gacgctagag tcaactgggtg ggaacattca gtgcgcctct tcccgtgagt 480
cgtaaatgta ccagtccgcc agcttcaact cggccgtccc gacaacgctc gggttgttgg 540
cggagaccat acgcgatccc cttattacag aggaagaggt tctacagcaa cttgctaccg 600
ctgaatacga gatcaacgag atttgggcga aaccggagct tatcctgccc nga 653

<210> 24156
<211> 597
<212> DNA
<213> *Aspergillus nidulans*

<400> 24156
cctctagcag ccaaccctta tgctcccagc acgccgccac ccatgcagcc gccactccag 60
caagtaccac cgcctcagag cgcgggatct cggccaagca cagcctcttc tgtaaagaag 120
gccagccctg cgcctccaaa ataccgtgag tccaagaact tgacttcctt attcgagtta 180
tatctctgat cttcatagct cccggtgacc gctcccacat cctgcccag gcacggccta 240
tctttgagat cctctccgag gacatgcagc gcgtcaaadc tcgggcccga tcctccttca 300
aagctcaggt cgatgacgca gagcggaggc taaacttctt cttcgaccac ctcaacaatg 360
aagaccttct caagcccaat accgttcagg acatggtgca gctcgcccgc gccatccagg 420
cacgtgacta cgagacggct cgtacaatcc acattgatat catgacgaac aggactgatg 480
agtgcggtaa ctggatggta tagtactttc ctatcgtttg ctaaacaatct tatgctaadc 540
ttatatctac aggtcgggtg gaagcgtctc attagcatga gtaaagtgc tccttag 597

<210> 24157
<211> 969
<212> DNA
<213> *Aspergillus nidulans*

<400> 24157
ccaattgaaa cggtcctcac tgaaagcgcc cagaaatgca ggctccttct cgacacagtt 60
ggcggatttg accgcaagca tctgaggggc ctcattgacc gcaaacactc tgagacgttg 120

gcgctgtatc agggtcagtc ccggttcacg ctggaggatc taggcgcgta tctctctgag 180
cgcaatatcg gctccaaggc caggaagagg atcgcgctta aggttgcgga ggagatgatt 240
gcggtacgta cagacaaccc cctgaacaaa ccgtctcaca agccttgcta ataataataa 300
tagcgaaacc atgcatactc aaaccttgtc gagcttctct tccctcatca tgtccgtctt 360
agtattcatg cgtatgcctc accagtccaa ccccatccat tacactagag cgaaactaac 420
ctggattttt tccagacaca caaatgccgg acccaaattt ggcatccgcc tcttcccccg 480
cggggctgtg cgtgcggcac caaccgcaca ggctattctc tctatttctc agtccaagtc 540
cgagtccgag tctggggcga tcaccaaccc cctctacgag ttccagatcc ctacgccttg 600
gcataactgt cttgttcgtg tagaggggtt agagggcatg cttcttataa gatcaggaat 660
tattcgcatg gcgattagca aaggcttggt cgagggcggc tgggtgcagc gcgagggagg 720
tccgggcgga tactttgtta ttcgcaaggt taagcaggag gccgcgcctg cgactgcaat 780
ggaggaagtc cacctcagca caacgcaggg tgatacgagg acccagacgg agacgaagat 840
cgagccgaga aacatggaac ccatgtatct gttagcagac aagagcccgc tgaggatggt 900
gggcgtcttt gtctgggacg agctcatagg cttctggact acgattcgat cagttgttgg 960
gacgagcag 969

<210> 24158
<211> 927
<212> DNA
<213> Aspergillus nidulans
<400> 24158

cagatcgctg aggatggcaa aacggccaca gttggaggcg gcatcaaata cgctgagttg 60
attccagctc tcttcgcgca gggaaagcac actggtgagc agctgatccg gtggattaga 120
aactcggcta acgtctgcag ttcattggcg ctgtgagtc gtaagctatc ttggaccagc 180
cctgggtggt ggccacggca cgttgcaagg caaataggt atggcttccg accaattcgt 240
gtcattacgg attgccacag cagatggcga gatcgtaacc gtttcggaga acgaaggaga 300
tagggatctg tgggtggcga tgcgaggcgc aggcacaaac tttggaattg taacttcggt 360
cacctcgaag atttacgacg taccggagca aggaaagtgg gcgtatgagc agctattatt 420
caccggcaac cagtccgagg agttgttcgc tgcattcaac gagctcgccg atatccagcc 480

acccggtttc atggttttga catacctcgt gcgcattcca cccttgcac caacagaggt 540
 aagtccactc atctactctg tcaagcccgg ctaacacctc agcctattta cctggccaac 600
 ttcattgcgtg aggctcttga cgaaatcgag ccggagctta ttgacccttt ccggaagatt 660
 tctcaaaggc ctgcgcttgc caaaaccgtc gggctctata ccgacattcc cacttggatc 720
 aacacggctg tcaactcgag aggctgcgca ggtgaggcca acaagggtgcg gttccccatt 780
 ggtttcccg cgtacgaccc caaggcaca cagaggctct ttgacgtttt cgcaaaccgc 840
 accgcccggg gttcaccatt caacacttct atgacccctc ttgagcagta ctccgcgcag 900
 ggcgtcgagt cttatcctca aaactca 927

<210> 24159
 <211> 745
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24159
 gtaccgtgtc caaagtgaac gtgagctaca gccaatcgaa catttaattg ccaattacgg 60
 cgatgccact ttcacctcat ggggcgacga gcggtttaag atttggcgcg acatggccac 120
 cgggtgctga gtttcctatg tggtcagcag caacaattac gtcgtcattc caggcaatcc 180
 gttgtgcgac gcgaggcagt atggtcgggt catctctcag ttcttgcaat ggctacgtcg 240
 tgaaactaaa tacaggccta tctggctgtt gtgctctccc gaagttgaga ctgttctcgg 300
 tgagaagctc ggctggcgca gtttgtcctg tattgccgaa gaggtggtag agcctgcgcg 360
 caaccaagct gctatggacg gcgaacttgc ccgaaaatt cggcgcacag agaatgaggg 420
 gatcaagatt gtgactataa accagggtga aatggtgtct gaaagtgtcc gagaggcgat 480
 agacaagcga attgaagact ggaaagccaa ccgcaaggga acccaagtgc atctttcaga 540
 catccacca tggcgcgacc acgaacaccg ctggtacttc tatgcagttg acaaagaagg 600
 aacaatctgt gcctttgtca ccttggtctt gatctcgccc acgtacggca tgcaggtcaa 660
 atacaccttt gacttccccg ggtctccaaa cggtgttatt gagtccctca tcaactcacgc 720
 tattcaaaca gccggccgct cgggc 745

<210> 24160
 <211> 1005
 <212> DNA

<213> Aspergillus nidulans

<400> 24160

cacacccctt ggcattcaag cattgctgtc ggcgcggatg gttcatattg cgctacgcat 60
gccgaccagg ttcgcaacac tcatgacctc atcttcaagg atgggcgtcc atactgcttc 120
cgcgaacgct cagagctatt tgattggggg tccgatggcc ttgaagttac attcgagcac 180
ctgtatccgt gcggccttat tattcgtcct gtagtcaactg acgatcaaga cccgccttca 240
atccgcctca tccaatgcg caaggctcgt aagctctccg ccaacctgtc acccgtcatt 300
ctccgaggtt ttggtgacac ccacatggag gaagtattca tcgaaacagc caccaaacta 360
ggccgcatca ccacctggag cgaaaacatc atcgttaaag tccgcgactc cggaaggcag 420
gacaagcaaa acaacaatgt taagtccaac gaggccatgc ccatgcattt cgacggaatg 480
ttccgtttca agcacgagat tgacctgtt acaggcgaag aagtccgagt gcaggatatc 540
cctcgatatc agttcttcac gtgccaagct gcggcgccg aagacgatgg gttcacgctc 600
ttcgctagct cgcgcctctt catgcggtat ctctctgagc cctggaccgt tgagcgactg 660
gagaaaataa cctggagcat ggagaatgac ggcttctggg acgcgaagggt gtataatctt 720
ccgcttgta ttaagcatcc tgatactggc ctcccgctac tgcgatggca ccagccttgg 780
ggatcgaagg ataccaagtt cagtacctgc gacgtcacca ttgataacga tgatgtgaga 840
ctcgtcggc tggttgataa gctgacgtac gattatcgcg tctgcaagcg cttttcgtgg 900
caagttggcg acgcgcttgt tagtgataac atctccatgc tgcatacaag gactgcgttt 960
gagagtgggt gcaatcgaga gctttggcgg attcattgcy actag 1005

<210> 24161

<211> 501

<212> DNA

<213> Aspergillus nidulans

<400> 24161

tctgcggaga tggtggaaaa tcttcgcata tctagccac caaccagaa gtacgcaaac 60
ggtactgccg tccgccgtat tccagcacc gaccgcagcc cgtctctgcy gcgaccgaag 120
cgacggtcca gcggtgttaa gcaaccacta ggagtggact tgacatttgg caatagccct 180
tccacgggtc gtcaattccg tcgcygtgtc gataaatcgc caagcgagga tccattctcc 240

tcataccagc ttaccggaga cgaaaatgcg agtcctaagt ctatatactc agaaaccaac 300
agcaaagaag ctcaactggg acgtcgagca tacagcaagg ctgtaggtca cgcttgccag 360
gaggttctgg gaactactgg agaccaagag aagcggaag cgatttctcg tcttgctgag 420
gcttggagtg acctagaaat ggtggatcca gaaggcctat accacatcct ccgagccact 480
aatgagaaac tgctaaggta a 501

<210> 24162
<211> 1944
<212> DNA
<213> Aspergillus nidulans
<400> 24162

cagttagcag acacccttcc cgttggcgtc gctgttgta atccctccga cgagatcgtc 60
ttcaagaatc ggcgcttcca ggaactcaca gcaggccact tgacggtcgg gctcgactgc 120
ttggcgcagg gggtaaacgc ggacgactat gaacaattag ccgatgcata ccgcgcctcg 180
ctacgattgc gcgcagagat tcgaagggaa taccgggtga agaatacatc tgaagaatgg 240
cgggcgatgt cacttacgcc gctgaaagac aaagatttgg accagtttgg cttgggggat 300
aaaggaggct cgatatgcat gatcagcgat atcacgccgg agaaaactgc ggagctcctg 360
cagaggaaga ttgcagacga tgcagaagaa cggaacagc agcaagagcg gtttatcgat 420
atgatcagcc atgaggttcg caatccgctt tcggcgatcc tgactgtgac agaggatatt 480
atggacgttg tggccgagga tgtgccagaa gatgcaaagg cgcagatggc gagaatagcc 540
gaagccgcgc agacgatcaa cctttgcgtt gcgcaccaga agaagatcat tgacgacgtg 600
ctgatattct ccaaattgga cgctccatg ctgaccttgt caccgcgaca agttcagccc 660
aagtcccatg tggcgacatt gctcaccatg ttcaagcccg aactccgaaa gcaacgaatc 720
gattttcggg atcagctcga caggtcttat gctgatcaag ggcttgactg ggttctggcg 780
gaccttgaca aaatgggcca agttttgatc aacctggtct ccaatgcgat caaattcact 840
gccaagccg aaggcgagag aacgattcga gtctcgatgg gtgcttccaa atgccgtcca 900
cgcatacc cgccaaacgt tgtcttcttc gagccgaatg aagaggcatt aaaactcgac 960
tcgaccagc acccggaatg gggccatggc gagacggcat atataatgct cgccgtcaaa 1020
gatactggaa tcggcatcag cgatcagcag caaaagatgt tattcgagcg cttcaagcaa 1080

gcgaccccc gaacggaacg gatatacggc ggctacggtc ttggactgaa catcagtcga 1140
agactttgcc atatgcatgg tggatgatatt ggggtcagcg ctaaagaagg cgaagggagc 1200
acgtttggct tcttcttttc cgtccgacta tcctctgaag agcaccctca atcttcagta 1260
gtatccaaca gagaggcgctc tccagtcgat gaactatggt atcaaataca tgagcttaat 1320
agcaagattc cggacgtgag gaatgacacg tcgatggcag acttcgatga aaaaccaaca 1380
gtacaacaag tcaacgaggt caccaacact cccagcgacg aacgcaagca acattcacta 1440
aagctggcaa aggaagtcga tgagaacccc ggctcatcta ctgatgcgca aaagtgggggt 1500
agtaatgtcg atgaattcgc gtcaaatcag gagcccggtg cgatagccac catgtcgaag 1560
ctcgtcaagg gccctcgcgt cctcttcgtc gaagataacg tcataaacca gaaggttgtc 1620
tgccgcaaac taagggtatc tggatttgag gtgacgacgg ccaacaacgg tcaagaagcg 1680
ctcggcctgt gggatagtga caagttcgac tgtattttaa tggaccagga aatgccgggtg 1740
atggatggga atacggcgac gcgggagatt cgagccatgg aaaaggaaaa gggctcgcac 1800
attcctatcc taggagttac tgcaaatgtc cgacaggatc aacaagccga tatgctcaat 1860
gctggaatgg atggaatcat ccacaagcct tacaagatgc atgagctgtg cgagaagatc 1920
cacgatatgc tgcctgagggc atga 1944

<210> 24163
<211> 1305
<212> DNA
<213> Aspergillus nidulans
<400> 24163

gaatgtattg gctatggcgg ggaccagaaa ggctatctcc agagcgagga ttgtctttac 60
ctgaacgtcg tccgtccccg tgggcttggg aatgcctctc ttctgtgct tgtctggatt 120
cacggttagt acgatctatc agtctcccta aagatgttgt tcttcacgc agctgctcat 180
atacataggt ggtgagttta agcaaggagg gacgatgata aacggtataa cttgaccttc 240
atcgtgcaga actcgggtcaa gttcaacaag ccgatgaatg cagtaagcat cgcataccgt 300
ctcggctcgt atggcttctt caacggcaac gaggtagcgg ctgagaaggc attgaatctg 360
ggctcgaagg atcagcgggt tgcctgcac tggattcagg agaacattgc cggctttggg 420
ggtacagagt tccttggtgc tgttctgtat ctatgctgat gccactgtag gtgaccacg 480

aaaactcact atctacggtc aaagcgctgg cctgaagggtg tggggatatca tcttcgtgcg 540
 ttcaacggcc gcgatgatgg cctgttcgag gctgctatca tgcagtcagg gccagtcatt 600
 cccaagggc ctctcagtct gaccgcgagc taccaatata ggtacgaggg ggtgggtgct 660
 gaggaaggct gctctcatgc tgatcataag ctcgactggt tgcgtgcctt gcccttcgag 720
 gttctaaaca atgtgctcaa ctcttctgct tacaatacag gttggggggc tacagtcgat 780
 ggtgactttg tcgcccgcta taccagcgag caagtagatg atggctcctt cgcccgtgtg 840
 cccatcatcg ccgggactac caccgacgaa gggagcacac aatctcccaa gcctgtgaat 900
 accactgaag aattgagagg ctggatgaat agtatggttc cctactccct atctctatct 960
 acccatgcta tctacacccg ctgacccgac ccagcaacat cgagctacca gcttgccctc 1020
 ccaaaatcct ctattaacgc tctccttacc ctctatccaa acactaccac cttcggcata 1080
 cccagctccg cagagctggg tggcaacgtt actctgccac agccctacgg cgcagctttc 1140
 cggcgatcag cagcctactt tggcgaccaa gtcttcaccg cgtctcgacg caagacatgc 1200
 caggcctggg ctgctcacgc cttgtctgcc tactgctacc gattcaacac caagcccaca 1260
 actaccagct ggggtggaggg cgtagcgcat ttctccgatg tggcg 1305

<210> 24164
 <211> 369
 <212> DNA
 <213> Aspergillus nidulans

<400> 24164
 atggcttccc ccggactcga tgactacacg atcgcggtggg tttgtgcctt gccttttagag 60
 gcagcagcgg cccggggccat gctcgacagg atccacacac caccacagca gatatccgat 120
 gcgaatgcct acgacttcgg cgagctaaac ggccatcata tagttattgg atatctacca 180
 agcggggtgt atggaacagt gtcttctgag accgtggtat cccgcatgag ttgaccttt 240
 cctcggctcc agttcggact catggctcgg attggagggg gagtcccag cgaaagcaat 300
 gacattcgat tagacgttgt tgtcagcaaa ccgggtggaa aacatggcgg ggtgatacaa 360
 tacgattag 369

<210> 24165
 <211> 450
 <212> DNA

<213> Aspergillus nidulans

<400> 24165

agcagaacca tgaaagtgtt cagagccgca acgttcatca ctgtgttcct cgccgctaca 60
gatggagtaa acgccatcac cgataccagg actagcccg c tgagaaagga ggcagcagga 120
aaaggcattc tcattgggtc tggggctatt agtccgacct atctcaatga tcctcagttt 180
gcgactgtcc ttgctgagca gttcgagagc ctctctcccg agaatgagat gaagtggcca 240
ttcatcaacc cgaccaaagg gcactacaac tgggagacaa tcgaccgtct ggttgagttc 300
gccgaagcac acgatatggt agttaaaaggc catggggtca tctcgagctg ctgcaacccc 360
gactacttag tcaatatcac caaccctacg gcattccgtg ctgcaatggc ggcgcacttc 420
aaagcagtta tgcggcggta tcacggcaag 450

<210> 24166

<211> 528

<212> DNA

<213> Aspergillus nidulans

<400> 24166

gtgccatttt ctttacgctc aataagctcc tgcagaagat tcccctcgct gtcaagcctt 60
tcttgcccca gcttcaacga acctttgccc gaggttttagc tgaccagact agcgagactt 120
tgcgtaacag ggctgccaa ggtcttgga ttttgatcac cctgacgect cgtgtcgatc 180
cactgattgc aggtatgagc atttacctgt tccccatgat tctgatactg actgaataca 240
gaactcatca ctggaacgaa gactgccgat gttggcgtgc ggaatgccat gatgaaggct 300
ctacaagagg ttgtaggcaa ggctggtgcg aacatgagcg aggcttccaa gaactctctc 360
cttgctctta tcgacgacga cgccagcgat caaacaggta tgtgatatca cctttgctg 420
aacttgcaaa aactgattcg cgcagatgcc gtggccatca ccaacgcaa gttgcttgg 480
gcactcgta aagttctgcc accagctact gctggcccg ttatcaag 528

<210> 24167

<211> 600

<212> DNA

<213> Aspergillus nidulans

<400> 24167

tttaggtcat ctcgttcttg cgcgtcagttc ggcgacggcg tcaaccgcac tagaaccggc 60
 cagatcgatc acgatgtctt cgaaggggta cccgttcggc gatggacgcg ccagatacaa 120
 accgtatcgc aagtaccaaa agccgcgggg acggaattag aaacgtcggg aaatgggtggg 180
 aagccatcca ttccagaact cccaatgccg aaagatagtc atctcctgag cccgatgagt 240
 cgggcgctgc tacgcgcggc tegtgcaggg tgcataata tccgccaaagt ttcgaaggac 300
 attgacgatg aggaaaagga gactacggac ccggaggaac agcaaacca gcaaaacatg 360
 gagcgtaatt tctccttgcg caagtggacg acggtcctta agcacttgga ggccccagaa 420
 gtggaatttc tagcaaagag aagaccgggc ttgccgtcac tgtatggtgc tgcagctggg 480
 acggtcgatg gtgctggctc agtcccaatg aggaagactc gttcaagaa agttgacccc 540
 gacacgggta atattctaata ctatgcggcc tgggttcctg aaggacagaa gatccattta 600

<210> 24168
 <211> 757
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24168

gagctttcga tagataactga tttcgacccc ctacccatgg tcgctgcggc ttaattcgcc 60
 ctaaacgttc ggatgactcg atacgcggga ctagggagaa cgcgccccaa aaagctcact 120
 cccaaggcgc ctatacccat ttaccgtgag caccagatag atgaccttga ggaagagatc 180
 caaaatggcc tacagcaggt tgaaccggg gttgagaagg ccgaggagtc cgtaagtgtt 240
 tatccgaatc atccctgttt ccagtcacgt gatatcagac aacctcatct catcatgaaa 300
 aatttgacg ggtcactacc cctttaccag cgcaagctaa tgcactgttg cggtatagga 360
 ataccatttg caagttgcta tcaatgcagt tgcacgggg agagttgtaa atgaggccca 420
 tattccaact ccagagaccg tcttcagtaa cctgcaatat gacgagctat atccaccagt 480
 tttctcgcag cctgcgacat atatccgctt ctcttcacg gtggaggact gttgcgggtg 540
 tccatataac atgactgacg aggatgatgt attcctgaag atcatgaacg agaagcggga 600
 ccccgctgac cgatgcacgg aggaccagtt tgaggaggtc atgaacttct tcgaagagac 660
 ggtgcgatta aagcagccgt acgcagcggg aggcagtgtc ccggtcttga gttttgcaga 720
 aatgcaagag tccatggatg caaccgtaga ggattat 757

<210> 24169
 <211> 1456
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24169

```

atgtctggta agcaaccagc agaactctat tcgtacttgg aggaaggcac acagcttgcc 60
atcacgagcg tccaccttgt caaccaggat ctgcctctgg gtgggtaagt tcctcggatc 120
ggcagctgtc cacgctgac cacaacatag ttgatcgctt catcgaacca caaacaatag 180
cccatttttt cagtgcattg ggccatggga ctctgcccac cggcaaaacc gtttcgttgg 240
aactcctcaa ggacaccgag ctggaactgc tgcacaggtc tccgacaaca gataatgacg 300
aacgggacat catcacgagg gtcattgacc gcatcggctc gattgaggat gaggcgcgga 360
tgtgcatcgt cggacggaat atctgggtcc tcaagaaccg cctatgggag ggcattacac 420
cattgtcaga gcagcgatgg aaagagaagg ggctcgacca gccggataat ttcgatacag 480
tgcgagatct ctctcggcag tggctcgagg gttcgagtat cttaacggac ctaaagtgca 540
ggagaacatc cgggacacgt ttaacttgat ttgcgagcat ttggggagaat tcgaaacaat 600
agttaacgag gagaggggga agggccaccc ccatgtgaat gtgcgacagc tgtggactga 660
gtatatcaag gctcatttcg aggtcataac cgagcgcgca catcgtctgg tccttgttca 720
tgtcaatgcc ctgcggaagc cgctcattcg tgaccttggt acctaccgac cggcggatct 780
cgacaatccg gatcgctgac agtggaagat cacagatcgg ctgcatattc tggcggagat 840
tgccgggggt gcagactata ctatcatgct gccaatgcac ggatattacg ggtacaccgc 900
gccttcaatt ccggaagggg tcctgccttc cctcggttca cccaaatggg atgtccgaag 960
caaggcgtag gggccatata tgaagacaat ttctcgcatc cagcaagtgc aaaatatact 1020
tgatcgaagg gagcgcgagg gacatgtaga gtaccatatt gcggatccta tccagtttca 1080
gcggacgacc gaaattcaac ttgggttgcca gcatcgggct aggcgcgaga tccgaggaga 1140
gccagtggag cctgtaccca aggagccgtg gattacggac attctgcatt ggatgaagac 1200
cgatgagcac cgggttggtt ttgtcgtcta taggttgacg tatgggcaaa acgaagcaga 1260
ctggaatgag ttccgagaga agttcgaggc ccatctgtcg gactggggaa gcggacagac 1320
tgggtctgca gctctcaagc ctcatctggc cctacactgg cgtgatggaa aagacctagg 1380

```

gatccctgag gatgacgttg aggcagccag aaagtgcggc ttctcctgcc agccctttta 1440
tagactaata tgctaa 1456

<210> 24170
<211> 344
<212> DNA
<213> Aspergillus nidulans

<400> 24170

cgcagttcac tttgcagggg acaaacacat atattgtcgg caccggaccg caaagactca 60
tcacgcatac cggccaggga attccggaat gggcagacat cctcgatgcc tacctcaaag 120
aacgctcgat ctcttgtcgc cacgtgttcc tctcgcactg gcatggatgat cataccggag 180
gagttccgga tctccttcgt ctttacccta atcttgccgg cgccatatac aagaactccc 240
ctggcagcga ccaacagcca attgacgacg gccaaagtctt tcgtgtcgcg ggcgctacta 300
ttcgagcagt gcatgggcca ggggactcgc atgaccatat gtgc 344

<210> 24171
<211> 762
<212> DNA
<213> Aspergillus nidulans

<400> 24171

atgcctactc taggaggtct tttgaagaaa cggcgaacga gggattcgca agacctctcc 60
aaggagctcc aggccggttc caccacgact ggccacacca cgacgtcacc aatcgctgcc 120
gaagactccc agtcccagca gcaccacggc caccacggcg gccaccattt cttccaccat 180
aaccaccata accaccagcc ttctaacaat tcggctaatt cggcgaattc gcagaattcc 240
cacgccgcta aacaccacca attcgaccag tcttcagcta ccagtaacca gccttccgac 300
gggcaaaccg cctccatgca atcccccgca caacagccct ctagtacttc cgcacactcg 360
aattccggcc accacagcaa tgccgccagc atacacaaca tcataacccc gtcgcagcag 420
aataccccg c aggtgtcgcg ggcggagcgt accaccaagg gcaaatacac cctcgatgat 480
ttcgcaatcc agcgcaccct cggcacaggt agttttgggc gcgtccacct cgtgcagtcg 540
aagcacaacc accgctacta tgccatcaaa gtattgaaaa aggcgcaagt tgtcaagatg 600
aagcagattg agcatacgaa tgatgagcga cggatgctga accgtgtcag gcatcctttc 660

ctgggcaccc tgagggggac ttggcaggat gctcgaaacc tctacatggt tatggactcc 720
gtccagggtg gagagttgat cagtatgctt aggaaatctc ag 762

<210> 24172
<211> 495
<212> DNA
<213> Aspergillus nidulans

<400> 24172

ccatgttctt cacccaagaa cgtgctcact atgcccgtgc ggcggagctt actcaggagc 60
ctccgaaagg caagccttac tctgttgcta tacctggcac cgagaaggat ggacggagcc 120
caatctaccg ttcttggtgg acacagaagg agctgggttaa aacgctggat cctaaagtac 180
gtataaagct tggttatttt attatttgct gagaggctgg atggagttaa ccattttagg 240
tcaccactgc ccatgagatt tttgagtcaa ccgcgaatga taccgccgaag gccgattgtc 300
ttggatggcg tccttacgac ccagtgaaga agacctgggg tcaataccaa tggataagct 360
atggtacagt ccaaaaacgg cgtaccgatt tcggtgccgg gttggtggag ctacatcaca 420
agcataactg tgctcgaccc gggcagtagc gtattggtct ctggtgtcag aatcgtccag 480
agtggcagat cacag 495

<210> 24173
<211> 596
<212> DNA
<213> Aspergillus nidulans

<400> 24173

aaaggcacia atggatgttg caaagggctt tccgaggaga ctaccgaaga cgtaagcac 60
aagtttgct ctcccgactt tattgagtac aaaccagaca cggaactaat atttcctccg 120
tcgctctgga aacacgagtt gcgccctctc gcttttggtg acaagagaaa gaagtggat 180
cggccggtca ccgtacagca gctcctggag atcaagagta ttcacctga tgcaaaattg 240
ataggtggca gcaccgagac gcagatcgag atcaaattca agcagatgcg ttatggagca 300
tctgtctacc ttggagacct cgctgaactc cggcaatttg cttttcatga caactacttg 360
gaaattggtg ccaacatttc attaaactgat cttgaatctg tctgtgatca ggccatcgag 420
cgctacggct cagctcgcgg ccagcccttt gccgctataa agaaacagct tcgctacttt 480

gctgggagac agatcagaaa tgtggcttcg ccagctggga acctggccac tgcacccccg 540
 atatccgatc tcaacccagt ttttgctcgt acaaacacga ctcttgctgc caggtc 596

<210> 24174
 <211> 517
 <212> DNA
 <213> Aspergillus nidulans

<400> 24174
 acaaccatct atctcgatct gagtgtatat gattccctcg ccatgactag tcgtgacggt 60
 tatcaatgga cagcagagac tggcctgggc cagggcgtgc ctctgatcag tgcacatctcg 120
 ccaccaacga atatctctcc cgagtcctcg cagtatgacg tcgttgctcg aggagcaggg 180
 tattcggggc tcacagcggc ccgcgatacg tgtctcgcag gtgagtgcgg attcaagaca 240
 aatgaaagca gagggctaata atatcctagg cctcaagggtg ctgcttctcg aagcgcgtga 300
 ccgtattggg ggccgggtcat ggtcgtctga tctcgaggga tatccattcg aaatgggcgg 360
 cacctgggtc cactggggac agcctcatgt ttggcgcgag atttcaagat accagatgcg 420
 gaatgaattg gagagttcat tcgacttttc tcgcgggggc aaccattttg aactgcgggc 480
 caaccaagga ccagcgatta tgagccacaa ggaagag 517

<210> 24175
 <211> 750
 <212> DNA
 <213> Aspergillus nidulans

<400> 24175
 ctcgagcccc tcaagcgcgc gtccaacacg acgacctcct ccaagcgcgg cgccgcttac 60
 aacgatgcct ccctcgctga ggccctcgct tcttcggca ccatctcctg ggccctacgat 120
 tggaacatgt acaccatggg cgatctcccc agcaatgtcg agttcgtgcc gatgctctgg 180
 ggtacaaaga tggtcaccgg ctggttcgcc gcgatccaga cgctcttgaa ctctggaaac 240
 aactacatcc ttggtttcaa cgagccggac atggcgtctc aggcgcgat gtcctcgtcc 300
 gatgctgcca aatactataa gaactatata agcaccttcg ccggcaagtc aaagctcgtc 360
 tcgcccgcgg tcaccaacgg cgaggagac gacgtcggtc tcaactggat gcgcaacttc 420
 ctgaactcct gtacagactg cgacgtcgat gctcttgctg tccactggta cggtgactcg 480

gcagacgact tcaaggcctt cgttgaaaag gccaccgcgc tggctgacga gttcgggtctc 540
 agcgaaacct gggttacgga gtttgcgctc aactcggatt tgtccggctc cgcggatgcc 600
 agcacttcgg cggacttctt gagcgaggtg ctgccttggt tggatgaaca tgacaaggtc 660
 agccgctatg cgtacttcat gtgctcggat ggccatctgc tcagtggaaa cagcttgagc 720
 gtgagtggaa aggcgtatgt ttcttgattg 750

<210> 24176
 <211> 1265
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24176
 gacatggtac gggcgagcct tcgaaaccga cattgaagta taaaccacgc gcagtggggc 60
 ggcgcagcaa agaagaacga gaggctattg agaaacttga agctgagcgg catgctgagc 120
 ggttggcaga ggctgcagca atccagcgcg gaaaggcgag cctcgagcgg cggggacggg 180
 cgggattctc tggacgtgga cgtggcgggc caatgggaat ggctggtgct gccgggccat 240
 taggctctgg atttgctggg cgaagggggc gtggtggttc gaggtttgga ggtggggatt 300
 ctagggcaac gtcaatgtcg cggaggagca agtcgatgac ggcggccctt gggggtggtt 360
 ctgcttcgtc cgacgaaagc gacggagaga tcagggtcag tatcgacagg atcaacttgg 420
 aaagcgacgc cgatgacgac gatgacgatg cgctactgga gaagaagaag aggcagcgga 480
 agggaaaaat tgctcttggg agcgtaaggg aggcaggctt acgcccgatc cgcgtcgaga 540
 gacatgagca cgaggaacgg gtggtcagcg tgaatatgga gtctagtaca gccaagtccg 600
 ctgaactccg acagcaggcg aaggagaaaag ccaaggatga tgcgctgttt gtgcaggatg 660
 acgatgagac acctacggag gaacctcagg tgaaacagga gcctacagac aatgatcagg 720
 caatgaccga tgtcccatat gcagaggaac ccgttacaac tgatgacgga ctattacctg 780
 caccgaaggt gaaggtgcgg cggaagctgg gctcaaggga accatctgtg cctgtagtaa 840
 aggacccgaa gagcttggtg cggacgaagg aggatattga agaatacgat cgacatgcag 900
 aagatctgga acttattaag gatctattca caaaggagcc tcctgccaca ccagctgaag 960
 ctacggaagg cgtcgagcct gcagagggcg ctgaaactac ggctgatgac acagagaagg 1020
 aaaagaaagg ggatgctgaa gacggggaag agccccagga cgataaactc accggccagc 1080

tcttctctgat gcaattccca cccattaccc cgaatctcat tgaacccaac gcggatggga 1140
 cacttctga tagcgaagct acgatgatac ccgatccccg tgcgtctcaa ggctgtggga 1200
 aaaccgggta ttcaatgaag ggcaaagggg aaaccccagt cttcaagcgc gaggatgatg 1260
 tctaa 1265

<210> 24177
 <211> 734
 <212> DNA
 <213> Aspergillus nidulans

<400> 24177

aggcttctcc aacggacagg tccaagtaga caacaacgac aatgccgaag gtctccttta 60
 caccctcgat ctctcccaat ccttcaacac cgagaacgac aatctcactg cgctcttcga 120
 tactttcgaa aaggcgggcg gcattgcggg caacatcgcg cctacctacc acgatgggtt 180
 catgttcgcc aacgacaact tgttctatct ctatgggtaa gcgagtctct ggaccctccg 240
 gcaatcgatc gctgattttt gtaggggtct tcttgataac actgacgatt tcgatgaccc 300
 tgccgagaat actgccctgg cctaccaggc gtaccagtac ggaggccaac ggcccgggtg 360
 ggagccccgg ttcattcagca taaatctgcc cgacggggtc actcgctata tcaccaacgg 420
 tgcaggcgtg aacgcgccga gcgagaatat gggttgttac atcagcggga tgcgcgcccc 480
 gggttggggt cctatgtggg acaacgagac tgcgaccaac gtgtcgcagc gcatgatcac 540
 ggtggacatg tcggatatgg agaaacctgt gtttgagaat gtttccttgc acagtgatga 600
 tgtaccggga cgggctaatt ctgaagccgt atgcgtcccc gtggcggagt ccgggggtcat 660
 tgtgctcata ggaggcgtca ccgagccaga caccatcttt gccgccggac tgagcgatga 720
 gcagatggaa aaga 734

<210> 24178
 <211> 1123
 <212> DNA
 <213> Aspergillus nidulans

<400> 24178

ttatggacca attacttaca attaatggat accatgatgtt acctactaga agatgcccta 60
 gaactctgga gcgccatttt gttgcaaacc ccacgcccc cttctccga gattctttcc 120

ctcatccctg cctcttcccc catcttcgaa tccgccatcg acggcgtggg tctggccctc 180
cagattgcgg agtcctacat catcctcgca cccagaggaga tccttagcga ccgcattcgt 240
ctcccactct ttacctcggt cgagtcctc ctccaacca cgctccgcca gcgcggcggc 300
gtatgtaccc cgctcgtag aactagctat ccgcggcgcc gacgccgtag acaacggcag 360
tgaaaacaca taccgtgtca tcatcagctc ttactcgat agtccctcc tatcttcaat 420
cctcgaaggc ctctactccg cttatgaatc cagccaaaca acagggccga acaaaaaaca 480
aacgagcatc tacggtggcg ttgaaacaga ctacttctct gtccttgac gtctcgccct 540
cgcacacccg acgctcttcg ttccggcat cacaccgct tactccaata gcaacatcag 600
caacaacagt caaactccag aacaggcgca ggaacatctc atcacctggc tcctaaccga 660
atggtttctg cactacgaca acatcggcac cgcaacgcag aagaaactgc acgcgctggc 720
tttaaccag cttctcacc tcagtgggccc taataccag ccaccggcct atatcctaaa 780
ccacctgcaa tcgtacctca atgtttggac ggatattatt accgagttgg cggagggcac 840
gacggagggt gatccaagt atcctcgcg tggggattat ctcatctact ggaataatgc 900
gcagacgggg acatatgaag ataacgagcc gccagaaaac atgcgacggc gtgagtggga 960
aagctcggat atcggtcaca agacaaacat tcgagagttt gtgcgcgac ggctgcagtc 1020
cttgattgtg agttgtggtg gtgaacagcg gttccaagag gattggctgc tcaatgttga 1080
tcgagatgtg gttgcggctt ttgccgcgct gcggttgctc tga 1123

<210> 24179
<211> 357
<212> DNA
<213> Aspergillus nidulans

<400> 24179
atggggctcg agcaacacaa aaccgccgtt acacgtatcg cctcggccat tcgcggcttc 60
tacgagcgca agcagccgtt tcgcattgcg cacggctcga cgaacagcac ccgcccgatc 120
cgccggaagc acgaagtcga catttcagac cttcgcaatg tcctccgctg cgatccggtc 180
acacgtaccg cactcgtcga acccaatgtc cccatggacc gccttgtcga ggcaacgctg 240
aaacacgggc tcgtgccgcc ggtcgctcatg gagttccctg tatcacgcgg gagggggctt 300
tgcggaaca gcatgagaaa gcccgagctt tcggatgggt tcttcaccgc cctataa 357

<210> 24180
 <211> 639
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24180
 atggatctgc caaccaaccc gacagccact ctttaagtctg ctttcgtggt gacagacaag 60
 ctcggccaaa acgtcaagaa cttcctcgtc ggcacagcgg atcttaccctt ctccgtcaac 120
 gtggcctaca agaacaaagt cgacttccag tcccccgacc tcaagaccgc gtgcggtatg 180
 agtggaaatt atgcaggccg gtatatccac tacgggatcc gcgagcacgc catgtgcgcg 240
 atctccaacg gtctggcggc gttcaacaag ggcaccttca tcccgatcac aagcacctac 300
 ctcgttttcc acctgtacgc tgccgcgct gtacgcatgg ccgctctaca ggggctgcac 360
 cagatccaca tcgccactca cgacagcatt ggcgttgag agaatggacc aacgcatcag 420
 cccatcgccg taccggcact ctaccgtgca atgcctaaaca tccttttcat tcggccctgt 480
 gatgcagagg agacggttgg ggcgtacatc gcagcaatcc agcacgacac aactccctcc 540
 gttctggcac tgtcgcgcca gaaccttacg cagtaccctg ctcactcctc tcgagaaggc 600
 gtgcagaagg gagcctacgt cttcgtcgag gaagagaac 639

<210> 24181
 <211> 212
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24181

tcgacacgct ggaatacaaa gtggatcgca taaggaagat ctggagatgg tttccgcatc 60
 ggcgagccat ctgtatcgga gactccacac agacggatcc cgaagcctac gcggagatat 120
 acagacgata tcctgagtgg atccatgcaa tcctcattag aaaagtcatg gatgtgcctc 180
 acatggagga gcgaaatata tcgaaaaggt tt 212

<210> 24182
 <211> 1221
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24182

tcggatttcg actatgactt ggcgaggat gaggttagcc gaaaagaatc acatcttccc 60
caagaccaag tatctaccac tgtgatttcg ctctgtcgca ttttcgagcg agttctcacc 120
gaagtgtaca tgcgacaggt ggtctcgatt aaccttgccg agaacatctc taatcagcat 180
cgagcttggg tcaggactct tcccacattc ctacagttac aaagagaccg attggaatcc 240
agaacgctag aggaaagctt ggctgcagcg catgtcttcg ggctgtacta ctggctgatc 300
attctcttga cccgcccatt tctcatcttc tgggtatcac aatatgtgaa aagcaagaaa 360
ggctctgccg gagccccga atccagaaac ggtacatccc gcctatcatt attcgccgac 420
gcctgcgtct actctgccct ggcgggctc gacatcgtag agggcctcgc ccgatacgaa 480
gctctccgcg gccgtcttcc tttcctaatt aactccgtct tcaactcagc agtcgtgcta 540
ggcgccgcct tcttcgccga ctacgacaac ctctcccg cggagaagg catgaacaag 600
gccgagagat tccttgaact gtttgtccct catgaccgcg actcttgccg tttccttcag 660
attatcaggt atctccgggc tgcagtatcc gactacgtgg gccgccgtag tcggcaatgg 720
atggaacgcc gcagcagaca ggtcgaacag ctcttcggtc aagtcggggc cgctagtgc 780
gatgaactat caccacacc agataccata ccctctgcc gccggccagg cgaaatcgca 840
gccccgtccc ctctatcccc gaacaagcta cccaagcag ataatcccat cccgtcgcaa 900
catcctgatt taacaacct cgcgccacat gacagcagca tctgggacgc gctctgtggt 960
actaccaccg ccggaactcc attcgattcg gctatctcta ctctcaccac aacgggaatt 1020
cccgtaaact tctccccggg cggtccatg ggtatgccct tggctggtgc cggagcctcg 1080
gcgtcagcat cccggagggc aggtgctgag accggcgacg gcgatggtca cagccgctc 1140
tccgatatga tcttatctga taacgggctt ctctacatgg ctgaggatct acccgatttc 1200
gggctttggg atgagacgta a 1221

<210> 24183
<211> 351
<212> DNA
<213> Aspergillus nidulans

<400> 24183

gttgagaata tcaacgggtg gacacatgcg caagaaatcg ctgcttttga tggcgtgggg 60
acgcttagac cggttattga tgacatcgca aatcgctact ctgcgctgct gacaccacgc 120

gtacccgatg aagcgctga ggggactctg aggacgggca gtgcagcgtt taatgggatg 180
 tggacggtac gtacccactg ctaagcctcc agactacgag actggctaac gtttgttggt 240
 gacaaggcgc tccacacccc cgtcgtgaat atccccggat ttcaaggaac caacggcatg 300
 ccaattgggt tgtcacttgt ggcggccagg ttatcatgac agcatcttct t 351

<210> 24184
 <211> 1133
 <212> DNA
 <213> Aspergillus nidulans

<400> 24184
 atgaacctgt cgtcatccat cattccgacg cgcattggtac ggaggagtac tattcgggtgc 60
 gctccattcg gacccagcaa ccccgactgt atcgcaaact cgcacaactc ggtcatggta 120
 ctttcagcca ggtatcggtg gctgttcgtg tcgaaccgga aggggaggac tctgatcatg 180
 gtcactctga cgccgtatcc tcgaccaga agctagtgtc aataaagatc attgaacacg 240
 ggccagcggg tggagccgat gaggagcgc tggaggtgtc cctgaaacgt gaggtcgaaa 300
 tcctcaagtc tttgaatcat ccatcccttg tacaactcaa ggcttttggc agcgacgaaa 360
 aacgcgctct cctggttctt gactactgcc caggcggcga cttgttcgaa gtcgtctcga 420
 acaataccag acccctgact cgggggctca tccgacgaat ttttgccgag ctgggtggctg 480
 ctgtacgcta tttgcacgag cattatgtag tgcattcgtg tctcaaactc gagagtaagc 540
 tccccgcgcc ttctgtctag aacaaagctg actgatggct accagacgtt ctcgtcaatc 600
 ttcccaaaga agctctgcaa aagattaccg attggcgtac ttatgaccgt gcagttgtga 660
 ccttgagcga cctgggcctc tcacgacgta tacctgaacc tcctgagagc cctcttctcc 720
 aaaccgcgtg cggaagcgag gactacgcag caccagagat tctgatgggc cagcagtacg 780
 atggccgctc caccgacggc tgggcgcttg gagttttgct gtatgcgatg atggagagca 840
 gacttccttt cgacgcctc cctggaacct gaggcgatcc tgcgaaactc cgagcccgaa 900
 ctctcaccg tatagcacgg tcgcaatggc cctggtagcg gtacgcagac agcgacggtg 960
 agtgggatcc cgagaagggc cgtggctctg aaggcgcgcg ggagtgtgtt gattcgctcc 1020
 tgaaacgaaa cacaaaacgc aagagccttg aagagatcgc ggccatggag tgggtgaagg 1080
 acgccattga cgtgcctggc ggggtgaagc gaggcgataa agaagtgcc tga 1133

<210> 24185
 <211> 1185
 <212> DNA
 <213> Aspergillus nidulans

<400> 24185

```

atggcgactt atacgcccgt gcagctctca atttccacca aatcccatgg cgccgctgct 60
gcgccaggac ttggccttac tccccctgtg actcccacca ttgatgaccg ggctggcagt 120
cccaatgcta ctttattgcc tctcgtggat acgtgctacg gcaacggagc cgtagctgta 180
tccaaccctc cgcatttcct cggtcagtta gagtaccaac tcgacgaaga agaccgtcct 240
atcacgtttg gaaccggcgc gtggagtgtt gtctacaagg cgtttgcctc ccccccgcacg 300
agtaatgcaa cgcgcccatt tacgccccca agctcgccca gcccggccgg ccgcttggtt 360
gctgtcaagt cacccggaag acgagatgcc cgccccgtga tgtatgcaga agctcttgcg 420
ctcacccgag ccagcgctac acccggtcga gagcgtcatc ttgtgccatt tcacggctat 480
atcaccgact ccagctccat agtaatgtca gcagttccct tgaccctgtc aagccatatt 540
gaagacaagg cccgcattgc ccagcagaac ttcagcatac gaaccatgca cgaaccggtt 600
ctagggatga cgcagtggca tgatcttgcc aagaagctca ttgagggctc ctctggctc 660
catagtaacg cccatattcg acacggtgac atcaagccac ataacattct ctttcgcccc 720
cgcaattccc tcgacagcga catcgactcg gcagaattcc cttatgaacc gctttttgcg 780
gacttctcct cctcatattc caattcttcc tcaggaactg aaataccgtt aaatgcctgc 840
ctctcagccg taacaacccc atttacagcg ccagagctgc tcaaagccct tcgctcgccg 900
gacgttattc cggagcccgc gtccgatgtc ttctcccttg ccgtttcact tcttggcgcc 960
gccactggcg atatcttagt ttattctggg ctccatccga ccctgcgcat acagtgcgca 1020
aaggacggtc atcttattat tgaatgggccc cgtcagtgtg gaactaacgg tacacgcgtc 1080
ccccgaacg gacttgttga gaagctcctc aagccggcag ttgcgaaagt tcctgctgag 1140
cgggtcactg ctcatgcatg gttggacatg gccagcactg tctag 1185

```

<210> 24186
 <211> 696
 <212> DNA
 <213> Aspergillus nidulans

<400> 24186

gcatacctcc tcctcttccg acatgctcaa ttagtgcttg ttcatttagc cgaccatcca 60
gacttgaagg atgggaaaga tgtgagggaa gaacggaagg ctctaatagc ggctgagaag 120
gaggtgaagc agaatctgga gatcctggaa aaactgaagc cgcggatcaa caagcgatat 180
gagcggcata cacagctgat gcgtgaacgc cagtcgccga tgcctcgtc cgctgcggtc 240
agtcccgctg cgtcgagcca gccgtcgcca cctccggacc ccgctctgtc tgggtgttgcc 300
gaacctctag aagctgggaa ggataatgag cttagctgtca agctggctcg gaccgagatt 360
agtcgtaggg caaccgtcag gaacgcgatg cgccaagggtg gactcagcgg tgaggatgat 420
tcgagccgac gcgcggcagg gatatgggggt gactgggaag aagctctgca gcgaaatgag 480
aggagggatc ccgacgatct gagtcgacgc attcaagaag tgcgactgaa cctggagggc 540
aggccacaga tttcaagcaa gtctgtaacg cggccgctga ccaatgtctc atctacgccc 600
acttacaaat atccaactgt tcctcggcag aaagcgcttg atgttcctc tgttcgggtg 660
gatattccac agaccaaggc ccgcgagctc acctag 696

<210> 24187

<211> 852

<212> DNA

<213> *Aspergillus nidulans*

<400> 24187

atggtcaaga aatacgccct tgtcggcacc ggcggccggg ccattcttct ctacacggca 60
atcgtaaaag acttctctca aacagcccag ctcgctgcct tttgcgacac taatcagacg 120
cgcttagact atgccaattc acgcctcgaa gcacttgcc atgcccgat cccaaccttc 180
ctggcctctg actttgaccg catgatcgca gagacacagc ccgacgaagt cattgtcacg 240
acaattgacc gcacgcacaa tatctacatc gtgcgcgcgc tggaaactcg atgcaacgtc 300
atcactgaga agcccatgac catcgacgcg cctcggtgcc ggagatctt cgacgcagtc 360
gagcggacag gcaacagagt gagagtaacc ttcaattacc gctacgcgcc tcacaacacc 420
aagatctacg aactgttgtc atccggcgtg atcggtaag tcaactcggg gcatttcgaa 480
tggctgctca atactcagca tggagccgac tattaccggc gctggcaccg cgataagcgg 540
aacagcgggg gcttgctcgt gcacaagtcg actcatcatt ttgacctgg caacttctgg 600

ctgcagtcca ggcccagagac agtgggtcgca atgggcgacc tcaagttcta cggaagggag 660
aatgcagaaa gacgtggtga gacaaagttc tactctcgtg cgtatgggag cgagaatgcg 720
aaggatgacc actttgcaact gcatcttgac cgcaaccgc agctgaagtc aatgtacttg 780
gatgcagaga aggaagacgc ctacttccag gaccagtctg ttatcagcga cggattcagc 840
atcgtggata cg 852

<210> 24188
<211> 1905
<212> DNA
<213> Aspergillus nidulans

<400> 24188
atggctgatg tcgaaagcgc aggcgtggac gattcgtttg cgcaatccga acctcacgat 60
gagcaacaaa ttcacaacat gactgtcggc acgagacgtc aaccgaatgg gacgataggt 120
tcagtctact ctgggaacaa aatcaggcat ttaaaaaagg aggacggtat ccctctgtgg 180
cgcaaagata tccagtatca gtttcttaag ctcgctcttg aagacaagac gccggtcttc 240
actcgttggc cagatggaca gaaaaatatg gattttgcag atatttacat cgatgctatg 300
gctaggagca gcaagacgag caagattctc aaggacaagc ttcagagcga taagcaggcg 360
gcgatcaata tggccatggt ttgcctggtg gtcaattttg gacggatgaa tacgaccctc 420
aactgtatgt tgccgatgtc tactgcttaa ttattgatta tttggcatgg gacttacctt 480
gttcgatgtc agtctttccg aaatgcgtgc tcagctgcga acctaccact cattccttcg 540
tttacaagcg catcaggacc cgaacgcgta caagcagtta caagacgccc cccgccttaa 600
gtccatcctc aaggggtcgt ctgaggatgt ggatcaacca aatactctgg ataagataaa 660
gcgcgaaaac gttccccgta ccaatccggt aaacctgata ttcgtcctcg cacaatatgc 720
gcctaaagtg tctgagatgc atttcttccc gccccgtgat ttctttgatc tcgtcatgcg 780
atcaacctta agcagcaaat ctcgggcgaa ggccttcctt tggctcatgt ggtggatatct 840
ggagagtgc ttctcccgcg aggetgccct caataatccc ttcgggtccag ggttgaggag 900
cgaggggaacc ggaggtctac cgatcaaggt tcctctttt gaaatcctca ccgaagagca 960
ggcgaatgag gagaatgttg aactcaatc cgagatcgaa tacggggaag agaagcgctt 1020
ggaacgcaaa agtaagccaa catctcaccg tgtgtctcca caacgtagct gacattgtat 1080

ctagggattc tagaggaaga agagccaacc cctagagcac ccaaactcc caaaaagagt 1140
atgtttctgc cgattcatca agagctcata ctaacggtat atctagtgcc gtattgggag 1200
ttccaatatt tgaaacagat ggagcctggt atgttgcgct tcgtcaatcc acatacatgc 1260
catgctgcgt cactaacata tttaggtact aaaatccctt ctcgtcaatt cagcaacaaa 1320
ggggatgcat acagggcagc ggcggactcc gatgatctca tcgagtttcg aaatcctgat 1380
ggatctatcc gctccactct gaagatgcct agggacgaag attacgccta ccaaagtggc 1440
agtcttgatg gcccatcgcc gcgtattgta ttgaggacaa aggcagaaaa ccccccgat 1500
gccgcgtccc cagcacctcc aggttcaggc tatectatct tgaaccggtt cgttacagaa 1560
gcttccccac atcaccaagg ttcaagccga cgaccccgcc cactcaccca acaccagttg 1620
gctgtcgaac gaaaccgaag acaacgcatt gagtacatat tggccaagcg gaaaggggaa 1680
gcgtatcgct tacttcgtgc gaagagacta actgaaatac cttttgcacg ctacgggcgc 1740
ttgctgcaga acttacctga tggttatgac acggacgatg ataagtcctg gggaaaggga 1800
ggctctgttc ctaatccaga ggaagaagag gattttggcg agtgtgcgaa ttatttcttg 1860
tcggtcatcc gcaaggcatc taggcgacta gaccggtggg actat 1905

<210> 24189
<211> 333
<212> DNA
<213> Aspergillus nidulans

<400> 24189
ggcataaatg ttacctctta ttacatgccg acagtcctga caatgtcagt tggattaagc 60
cctaacctgg cgcgacttct ggccgcctgc aacagcgta aataccttct ttggtctttc 120
ctcggaatca gactagttga gcgatggggc cggcgtaaaa cgatgacttt tggcgcaacc 180
ggacagtgcc tctgctatat tgtcatcgcc gccttaatcc ggcgtaacga gatgcctggt 240
tatccgaacg cccagcaagt cgcgtcggcc tctgtagcat tcttttcctt gtactacgtt 300
ttcttcggca tcgccatgca aggcaccccc tgg 333

<210> 24190
<211> 440
<212> DNA
<213> Aspergillus nidulans

<400> 24190

ccacccccat gcgtgaggct cgcagcgctt tccttcaggc gttcatgggc tcgactatatt 60

ccgaaaaggc acaaagccag agcacggcaa cgacgcgctt tgggggtgtg gtaaataaac 120

tgcaggatct tcttagccgg acagagcatt tcgaggatgat gactgtcggc cacaattcac 180

tggaaaacac gcgcaacaat gcggcctaca tgcttggaac acagctccgg ctgaagttag 240

ttgctgatga agattctgat ataccccgct cctacagaaa catcatgggt tctattcacg 300

ccattgcaac tttcaaggcc ctggatgatt tcctccatcc ccgaattgcc ctttccgaca 360

ggccgaagac atctcgtagc cgtgaaacaa tcttgtcgca gattgccaat gcagcgcgtc 420

tcagggatcc taagcttggg 440

<210> 24191

<211> 617

<212> DNA

<213> *Aspergillus nidulans*

<400> 24191

atgtttgcgt caaccctcag gaagacattt gtcttccttg gactggcaac ctactcggcc 60

gcagccctaa cgaccacctc aaattcaacc cactatacca tctccaactc ccgcttctca 120

gtcgcggttg caaaatccaa cggccatggt gtcgatgcaa atctcgacgg gcaagacctt 180

ctcggccccc tcagtggcaa cagcggaaaa ggtccctatc tcgactgctc ctgcacaccc 240

gagggttctt ggacccccgg tgccgaacca gcgctggtga acggcacaga ctcaaccgga 300

acaccctacg tgggagtgat tatgaccgac acctacgaga caactaacca gacactatct 360

caatatctat tcctccgagg tgaagaaaca ggtctgcatg ccttctcacg agtaacatac 420

tataacgaga gtgattatct cctccgaggc ctcggcgagc tccggacgct gttcagaccg 480

aatacaaatc tctggacaca tttttctggc agcgaaggga actacggccc tatgccgcta 540

tctagcacag agaagatcac cgtccaggac gcatcaactt accttggcga tacaactgac 600

gacccttacg tgtcgca 617

<210> 24192

<211> 1284

<212> DNA

<213> *Aspergillus nidulans*

<400> 24192

tcttctttcc tgctcccca ggtcaagact cagcctccgc atcccaaggt tccaattcgg 60
agtaagagcg atgtcggcca ccacagctcg ttcagaccg ttcaagcctg cggcgcgggg 120
tgcaggtcaa cgacaggacg tttggtatgg aatctgcaat caatgctgc taaggattat 180
tctgactggc ttctaggtcc attgtcaacg aagccgctgc ggcttctct gtccagccta 240
tcgtgaacat gggacaaggg ttcttgtgag tgagccggct tctaaaacc agcagagaaa 300
tgctaaccgc ataattctct agcgggtaca acccgccga gtttgcccta gatgccgca 360
aggctgccct tgaccgctc gactgcaatc aatactcgcc gacgaaggta catcttatct 420
cagaaccaga accgtgatga gactccggct taccgttata tagggccgcc cacggctcaa 480
gaaagctctt gccgacgct actcgccctt ttttgggcgc cagctaaacc cagataccga 540
agtcacaatc actaccggcg caaacgaggg tgaggttatc tacactggtt ctgggatacg 600
agctgactgg ataaggcatg ttgagtgtt tcatgggggt cattgagcaa ggcatgagg 660
ttatcatttt cgaacccttc ttcgaccagt gagtttgac gctccgatgc ttctgcctat 720
ctaacagtct gtaggtatat cagcaacatc gaaatgccg gcggcactat tcgatacgtc 780
cctctgcagc ctccgaagga tggagccacc aagacgttac ctgctccga atggagcatt 840
aattttgacg agttggaaag gacgataaac cctaagacta agatgattgt gagttcctga 900
ttgcaaacca gacgtcaga ttctaattgc gttcaaggtc ctcaattccc cgtaagcctc 960
catttccggc agtcaacatt aggtgctaata gaactagtca taatcctgtt gggaagggtt 1020
tctcgcgca tgaactcgaa cgcacgggtg accttgccgt gaagcacaac ctcatcatcc 1080
tctccgacga ggtctacgac cgtctctact atgtccatt taccagaatt gccaccatga 1140
agccagagta ctatgagcgg acgctcaccg tcggctccgc aggcaaagcc ttctacgcca 1200
ccggctggcg cgtcggtac ctgacggac ccgagcactt gatcaagtac gttgccgggtg 1260
ctcacaccg catttgctac agca 1284

<210> 24193

<211> 231

<212> DNA

<213> *Aspergillus nidulans*

<400> 24193

agtttttcat acaaccttga ccgtatcacc gatcgtcgag aggagaaggt gctgggtgag 60
aagctttatg gcgctgtgca gcgtctttgg ctacaagaga aagagagcac cgaccttccc 120
acgggtccagg ccagcatact gatcgggtctt ctttgctgca cgtttggcat cgacaaactc 180
ggcaccagct atattatcca tggagcagaa ttgagcgca ggtataatat t 231

<210> 24194
<211> 249
<212> DNA
<213> Aspergillus nidulans

<400> 24194
accaagcctc catttgaccg acatgactgg tacgtgatgc gcgaaacgcc gtcaggcccc 60
aaggagatcc gctatgtgat tgactactac tctgggcccc cagagccgac cggagagcct 120
gttttctacc ttgacattcg gcctgctttg gattcgccca ccgccgtgc cgaacgactg 180
ctgagatggg gatctgacgt ctggtatcgc gcaagcggag gcgctgtccg tgacaatgac 240
aaaaaataa 249

<210> 24195
<211> 913
<212> DNA
<213> Aspergillus nidulans

<400> 24195
atgcggttta ctgctctttt ccctattgcg tgctgtctt tgtagcgat gctctcaacc 60
gcatggcagt ttgacgggtt gttgggtcac ggtcaacttt tgcttaggca ggatgggtgag 120
cattattacc gcgtcggcgt atcaacgtac aatgtgctga catcgcttag actcggactc 180
aaactcggat actacgaccg cagccgacag tgcgactacc ggcgcgaccc ccacggacga 240
ccaggcggag gaaacggcca cgtccacatc atcctctgac agcgacagcg acacaacgga 300
atctgccact acaactgcca aggcgactaa gactggcagc tcctcgtcga attcaacgac 360
cactcacgct tcgaactcta ccaccacatc agtcgaccct cgtctccctc cgggtggtat 420
ctccatgttg acgccgagtt ccgcatcaac gacatactac aagatcgggtg atattatcac 480
gtttgtctgg aattatacgt cgctatctat cacaccact gctgtcaatg ttgtcgcac 540
atgcagtctc aacagtgcta cctacaccat ctcgagcaat atgagcgtcg aggagacca 600

aactgtgacg tgggacacgg gaaaattcca agcaaacgcc acggctccgt tgcttacgc 660
gacttacacc atgattgtat acgacgagag caaggacatt gatgacactg cctctgccgg 720
agagctgagc tcgcagaacc gttactactt tggaatgtac actccgcagc cttacacgga 780
cctaccaagt atgttattct cagccccctgc gctctgagggc ataactaatg tgttttagac 840
tttgtctgtg ccacatgcaa tggcgctctc tccgccaccg gccttcttgg tctgaaaatg 900
gccttgggaa tgg 913

<210> 24196
<211> 874
<212> DNA
<213> Aspergillus nidulans

<400> 24196
gtaagtgcaa tttcccttcc cgggatttgt cgcttcgccg gtgtcgggtc acatttctcc 60
cccacaatct atctctgggt ctgccacaa ccttcaccgg gcaacgtcac aggccagcct 120
tctctcaacg tcaacagaca tactgacttc gtcccaaaga ctctcaacaa ccaccaagc 180
ctttcgcgca ttacatata cacaatggct gtcgagacct caccgctac tgtacgtgaa 240
ttacaatctc acgatggccc tttaacgcgt gatatcgga aggaaaaaca gcgatcgcta 300
acttctgcta caatagcctg ttctgtcgc ggagttgacc aagattgcca cagaggtgcg 360
tccctgaaac cattgtgggt gtcagaccgg tgcaccgtgt accctaagtt gccacataaa 420
aaactcggac taacgcatgc acaacaaggc ttgtgactcc gcgcttgaca aagcagatgg 480
atacgaccac gccaggtcg gaaaatggaa ctccgagata atcgtacgcc tgaactctac 540
ggtccgtagc tgccgggact tacactatct aacgtgattt gtgtgacaga actccatcct 600
caaggccctc attgccgcta ccacccttc cacactatcc actcctcctc cataccgctt 660
cacgtgaac agcaccattg tgcaacaagg cttgatcgac aagtctgctg ctgcagacgg 720
ctccgccgcc aacactggga agcgcggcat gcactccgct tctggggcgt tctgggacgt 780
taaccgcgat ggaatgtgga cgttcaagta ccccgcgcc gatgccaagg ggttggacgt 840
ggtcgtgagc gtgacatggg ttgcacttgg ctag 874

<210> 24197
<211> 327
<212> DNA

<213> Aspergillus nidulans

<400> 24197

atgaagtcca catccgaggt tcttggatgg ggggtctcag gggacaagat cctggatgac 60
cctgcccgtt atgactttga cgacgatggc agcaactcct ggcaacaggt gttgattcgc 120
gtgccgggga tcacggattt cagtggcggt tggggcgagg gcgacggcgg cagtagcata 180
cggtagcgca gtgggcagga cgatgaggag atgatagcgc agtaccagga gggcgaggag 240
cagtggcggg atttcagcct agcgcagcta agaatccaag cgggtctgta cctgttggat 300
cgcgaggcca tatcgagtct ggattga 327

<210> 24198

<211> 696

<212> DNA

<213> Aspergillus nidulans

<400> 24198

atgcctgctg aaactcaaaa tgggtgacgag gctacggccg aagatgacac accgcttgcc 60
ccggagaaga tccaggttcg tttcaaaagt attctgaacc gatacctgga agatgttaag 120
gcgcatgtca tgcgcgatca aaaggcgctc actgcacaga gcaggcgcaa tgcggaagcc 180
tacgtaaaga gtggtgagat tttcgaagat cggcaggcaa attttgagag gcagaccaag 240
tcgctggaga agttggttgc gaatacgcaa gtcctttgcg agatcctggg tntagagatg 300
cctgcttttag ctacacaaga agcttcagat ccggcagcaa gcggcggtat tggctctgctc 360
aagacctcgg agtacctccg ggggtcaagga gaagggctg gaatttggga ggatgaagag 420
gagagacgct tctacgagaa tcttgctgac ttaaaaggca aagtcccagc tgttttgctg 480
gatgacggaa agaagaagaa gaccgagacc ggcgaaccga ccaagaagaa ggaaagtga 540
gctggccacg agtccagtga gaaaaccgag cctcagagcc agatttcgga ggaaaggact 600
accgaagctg atgatcagtc tatggcgatt gcgagcaaga ccgttggagc ccaggtggat 660
gcgcttttgg ccaagcttcc tgagctgcaa acaaaa 696

<210> 24199

<211> 1104

<212> DNA

<213> Aspergillus nidulans

<400> 24199

atggagagcg atgaagagga agagaagaag cctgccatcg ctgcccctcg gctgagcaag 60

ttggagcgcg tcgaggcgcc tgctgctgtt gctggagacg acgatggttt tgagaccgtt 120

gtccgaggaa agacccttca gtacacgccc gagagtattc tgaagcatct gcgtgttatc 180

gtcgagtcgc gaggaagaa gaataccgac cgtctcgagc agattaagac catggagaag 240

ctcctggagg tggcccagac gccttaccag cgcattccgtg tctacctcac tctcatctcc 300

acacgtttcg acctttctac cacatctacc gctgcgtaca tgagcgtcga gcaatggaag 360

gcagctgagc aagaattgtc taccctgctt tccgttctcg agaaggagcg caactatgtt 420

gtcagtgaag gtgccgagga atgggaggac gatgagaagc agcctcaggt tgctgctggc 480

gagactttct atatccctgg cagtatcgtt tcttacgttg agagactgga tgatgagctc 540

acgaggtctc tacaacatat tgacccccac accgccgagt acattgaacg cctaagtgat 600

gagaaacagc tgtataccaa ccttgctgcg acccagatct acgttgaagg cctcaciaag 660

ctggaaaaga cggaactacg ccaggatagt ctttaaccgag tggatgatgag gagactcgag 720

catatctact tcaagccttc ccaggttatt acaattctgg aagagggcac cgataaggcc 780

cttccctccg agctggagac ctctatcaca actcgcggca acagtgatgc ccagaccctc 840

gtgcagacgc tttgcaacta cctgttcagg aacagcgacg gtatccttcg agcgcgtgct 900

atgctcgccc agatctactt ccttgctctc cagcaccagt actaccgtgc tcgcgacctg 960

atgctcatgt ccacttgctc cgagaacatt gccaatctcg acgtgagctc tcagatcctc 1020

ttcaacagga cgttggttca gattgggttg tgtgctttcc gcgctggtct catttacgag 1080

gctcagaaca ccctctcgga aatt 1104

<210> 24200

<211> 960

<212> DNA

<213> *Aspergillus nidulans*

<400> 24200

aaggcggaga ggatttcttc catttgctga cgtgatgaag cttggtgtgc tacatcgcca 60

gttggtgacc ccacaggcg attaaaggga agagaacagg ttcattcttc cgtccgcaaa 120

gcaaatatgg ccagcatgca catgcaactt aagaaattgg gcgcgagcat tgaaagatat 180

ggtgaaaagc atggctataa gagacagatg atctggcgac ggactttaac aaacaacaat 240
 gtctggtgga ataaaacacc ccttctggag gtcctccgtg atctgggagc ttacatccgc 300
 attggtccaa tgctaggaag agatacgtga gtttttcttt ttgccgcgaa ttagatttga 360
 gctgctgact ggttatcagg gtcaagaaca gaatggagcg gggagatggc atgtcttttg 420
 cggagttcac ttaccctctc atgcaagctt gggattggtg gatgcttttc aagaatggat 480
 gtcaagtcca agtaggagga agtgaccagt atgggaatat tctatttga gttggtgccg 540
 tgaaaacaat cagcaaaaat actgtcctac aggaggataa taatcccttg tcagatgatc 600
 tagacaagcc tattggtttc acgactccct tactcacaac ctcatcaggt gagaagttcg 660
 gaaagtccgc tggtaacgca atctggttgg acaaggatat gacttctacc tttgaattat 720
 accaggtagg ttcagcacat cttgcaaaga ttagcatctt attaacataa atagtttttc 780
 gttcgcactc ctgatgatgc tgttgagcgg tatctcaaga tggtcacctt cttgcctata 840
 cctgaaatct caaagattat ggaagagcaa aaccaagatc cgtcaagacg ggtagcccaa 900
 catgctcttg cttatgaatt tgtcgaactc attcatggca aagatgaggc ggatgcagtg 960

<210> 24201
 <211> 1616
 <212> DNA
 <213> Aspergillus nidulans

<400> 24201
 atggcgccga agaagaaggg aaacaggaag caggaggagg attgggaagc cgaacttga 60
 gagagcattc ctctgcggg cggtgacagc ccagctcagg aggaagctcc cggcgccgat 120
 ggtgacgatg gggaggctgg tgggtggtggc ttgctcgccg ctttgagaaa gaacaagaac 180
 aagaaggcca agaaggggaa gccgacaaac gacttcgtcg agggcgagga ccctattcaa 240
 gaagccaacg gtgatgcaga ctttactagc aagcaacctg aagaaggcac gttcgacgag 300
 gatgatgtat tcgctgggaa gaagagcaag ccgatcaagg ctgcgcctcc gccaccagca 360
 cctgtggatg aggattctgg ccctcgctg aaaactaaga aggagaagga gagggagaag 420
 aaagagaggg aaaagcagcg aaagaggga caggtatgcc tttttttccc cgctagtagg 480
 cctcggttgt tttttgttga ctgacatgcg ttatccaggc cgcgaagaag aaaactaccg 540
 aacccaaaca ggctgaacaa aagaaaccag aaccgaagaa agaggaacct gttgctgcac 600

cctccacgcc tgcccctgcc cctgcccctg agcctgagcc tgccgccggt ggcaagaaga 660
 agaagatccc cgctcacctg gctgcaatcc agaagcagca ggaagctctt agaaagcagc 720
 gcgaggagga agaacgccgt ctagcagaag agaaggctgc agaagaggcg cggcgactcc 780
 aagaggagga agaggcgagg aagaaggagg aagctcgcca aaggaggaag gaaaaggaga 840
 gggaaaagaa ggaacaattg aggagggaag gaaagctgct caccaaagct cagaaggaag 900
 ccagggagcg taatgagctc cgcatgaagc agatgcttgc tgcaggtgtt ggtacggttg 960
 ctgggttgca gaaggatcaa cctgagaaga agaaacccgt ttacgagaac aaaaagaaga 1020
 aggttccgaa gaagcaggat gaagaccttg aggctgctgc tgctcgtgct aaggctcagc 1080
 gcgaggcaga agacgagcga cgacgaaaag aggaggagga gcggaagca aaggctgaag 1140
 ctgaagctgc cgctgccgct gccgctgctg gtgatgagga gagcgagctc gacgattggg 1200
 agaaggctgc tgatgccgag gaggtgaagg atagctggga cgcacctagt gatgatgagc 1260
 cagagaagcc cgccgctaca aacgatgaag agataactct accagagcga cctgcagcta 1320
 agcccgcaa agaggaagca aatgaggagt cttcagaaga ggattcggac gaatctgact 1380
 ctgatgaaga agaaaaatcc gccgcgcaa aagcaatcgc ccaacggaag gcggaggctg 1440
 ctgagcggag gaagaagcaa cacgaggaag ctttagctgc tcgttcaaag gacaacttgc 1500
 gatctcctat ttgttgattt cttgggcacg tcgacactgg taagactaag ctgctagata 1560
 agattcgaca gacaaacgtc caagaagggtg aagcaggtgg tataaccaac agattg 1616

<210> 24202
 <211> 440
 <212> DNA
 <213> Aspergillus nidulans

<400> 24202
 tggatatctt ggctacatca actacctcgt cgagagagac cgtaaatata ttctcgacac 60
 tttgctcaat ggtatgaact tttttctata gaattcccgg ccaaattctc aatttcggac 120
 tacgtgtctt tggaccgtcg gtccttattg ccatacgcta tttccttatc ccgtgggtatt 180
 gccattactc acatctatct cttccaggcc tctcacgtct cgaatatcga ggatatgact 240
 ctgcaggtct cgcagttgat ggtgacaaga agaataagct ctgtgccttt aaagaagttg 300
 ggaagggttg caagttgaaa caactcatcg aggaatcaa acctgatctt accaagacat 360

ttgagtccca tgctggtatc tctcacacac gttgggctac gcacggaacg ccctcccgtc 420
 ttaactgccca cccacacagg 440

<210> 24203
 <211> 407
 <212> DNA
 <213> Aspergillus nidulans

<400> 24203

gcgaaggctg tacgaaaaga ttcgcgagga agtccgcgag tcccctctct tccgctttga 60
 ttggttcttc ctcagccgga ctctgtgga aattggccgc cgctgtacga cgctcctcaa 120
 cacaatcgcc aaagagttcg aaccggacgg caagaatggt gatggaaagg gacgcggccg 180
 cgaccgagag gacgacgaac ttgacaatga agacgacgtt ccagctaaga agaagaccaa 240
 gggcgccgtg gtaagtgatg tttgtctaaa gttgtttcgc tcatgttcaa ctaataaaca 300
 aatagaacaa gcaagtcaaa gccgtcaagg gcagcaaagg aaactccgcc tccacgtctc 360
 gagcctcttc agccaaccct cccaagtcgc gcgggcgaaa gaagtga 407

<210> 24204
 <211> 906
 <212> DNA
 <213> Aspergillus nidulans

<400> 24204

gctagcatgc agcagaacaa tgccccccgt cccaacatgg caatgcaagc gtcgccggat 60
 aacgctcggg tgatccgaga ggctaatacg ctccaagagc aacagcggat cctacaatct 120
 agacagcagc cttcccagca tccgcttcag cagcaacaac cgccgcaggc acagaaccag 180
 cagcagcaac tccctcaaca gcctcagcaa gctcagcaac aatttcatgc ccagcctcag 240
 tttgtacctc agggatccaa ctctcccaat ctgaacatgc ctactgtgaa cggtagccca 300
 aacaatccgg ccatgattgc agcactccaa gcgggaggcg gaatgcagag tccgcccttc 360
 cacaactctg cacctcaagg cgtctctaca ctttctccac gtatgggtca accgaacacc 420
 ctatctagtg gagctgttcc aacaacgatt agcacgatcc agagccagat ccaaaggagc 480
 aatcccaaca tgccgctcga acaagtcaaa caactaacca cggaacgact ccatcagtag 540
 cagcagcaac agcagcaacg gatgtctcag gttgctatga atgcagcggc gggtaatattg 600

ggcgtgcagc ccaattatca ggtctcacat gatgggaatt ttcaacctca aagtggcatg 660
 agtggtggtc cgaacatgca agttccccag gcgcagggct tttctccaat gatgcgtgta 720
 ccccaacctt cccagcaaaa ccggatcggg gctggaggct cccttgctat gggcgtagct 780
 gtaccgcaac aaagccggag cgcgaccccg caaacacaac gcagtggcag cattcagact 840
 ggtacaatcg caggagcgag taagagccct aacactcatt ctcaaactca atctatgggt 900
 gcctga 906

<210> 24205
 <211> 835
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24205

tccgatacat ttacctcaag ggcgccatcg ttggtccagc ttggaagctc ccgtttatgg 60
 gaccgttcct ccagtctgtc aacccccaaat tccacgagta caaggccaaa tgggacagcg 120
 gcgagctgag ctgtgtgtct gttttccaca agtatgtgac caatacgatc tccttccaat 180
 ccgcaatgtc tctaatatgt cgaccttttt aggggtgttt gtcacgcgat tcacttgatga 240
 tatggtccgc aagatcttca actcgnctac ttatgtcaag ccctgtgtcg tcgatgctgc 300
 gcataaactg cttggcaaga ctaactgggt attcttggat ggcaaggaac atgttgactt 360
 ccgcaagggc ttgaacaacc ttttcacccg tcaggcgctt tcttgctatc ttctcgcgat 420
 ggaggaggtt tacaatgact actacgcgcg cttcctcaaa aagtctaaga acaacaacta 480
 taagccaacg ccgtggatgc ccgaattccg tgacctgatg tgcgccgtct cttgccgtac 540
 cttcgtaggc cactacattt ccgatgaggc cattgataag atttccgtcg actactacaa 600
 catcaccgct gcgctggaat tgggtcaactt cccgatcatc ctccctttca ccaagacctg 660
 gtacggaaaag aaggctgcgg acatggttct tgacgaattt gccaagtgtg ctgccaaaag 720
 cagagctcgt atggctgcgg gcggagagat tagctgcatt atggacgctt ggatcaaggc 780
 tcagttggac tctgccaaat accgggaaaa gattgccaag ggtattgagg ttgac 835

<210> 24206
 <211> 354
 <212> DNA
 <213> Aspergillus nidulans

<400> 24206

caactcatcg cgtctatatg ggttctctac ggttcgagca caccacacc aaaggctctc 60

attctcagcc ttcctggcat gaccgaggaa cgggtagcaa gactgaagc tgccctcgtg 120

cgctccacat ccgcccgcc acaacgcgct ttagttcttg acctcttga gggactaaga 180

ggtgtcagca ttgccgaaca aggcaaaata ttgggatcac gcgaagagcg ccgcaaggcg 240

cgcagtgtc tccaggaaag atatatgagc aatgaaatgg aggtcaaca aaccacaag 300

gtcgatataa atgatgggcc tgatcttcc ggtgttcgacg acatgtttgg ttaa 354

<210> 24207

<211> 387

<212> DNA

<213> *Aspergillus nidulans*

<400> 24207

aacctcgaga catgggaaca caaggtcagt gacaagatcg cccgcctggc caagcacttt 60

gacagtgtct gcaccgcgc tctccctgcc ggccaggaag agcccgacc cgccgacctg 120

acggtcgact tccgggcatg gaccaacttc ttcagtctcg acgcgattgt cgacattggg 180

ctgagcgaga aactcggctt cctagatcag ggacacgata tgtgcacggc cgaacgcaaa 240

gatggcacga cctaccgcgc ctccctccgc gacgcctgt accctaacgc ccgcaaacia 300

tctctcctcc tctggaacta cgactggtac ccgatcatca atcgctgggt gaacatcatt 360

ccttacttcg ccaagatgca gaaatcc 387

<210> 24208

<211> 321

<212> DNA

<213> *Aspergillus nidulans*

<400> 24208

atgtctgtcg ctagaactgc tggttttgcc ctgcctccg cggccatcgt cgccggtcac 60

ggttatgtca cgggaatcgt cgctgacggc acatactacg gcggttacct cgttaaccag 120

tacccttaca gcaacgacc ccctgcagtt gttggatggg ctgaggatgc taccgacctg 180

ggtttcgttg atggctccg ctacacctct ggcgatatca tctgccaaa ggacgctacc 240

aacgcccagg cttctgccac cgtcgtgct ggtggcaccg ttgagctgca gtggactgag 300

tggcctgaat cccaccacgg t

321

<210> 24209
<211> 459
<212> DNA
<213> Aspergillus nidulans

<400> 24209

tatagagatg tgcgcatgc gttcccagcc gctagagtta ctgggttga tctttcgccc 60
attcaaccca catttgtccc tccgacctgc tcgttcgaaa tagatgacgt aaccatgccca 120
tggacgtatg atacggaaca atttgacttg atctacgtcc gcgagatgtt cggctcgata 180
cctgattggg atgcgtttct cgggcaatgt tgggcctctc tacgaccagg tggctacata 240
gaagttgttg agcattcgat tacgcccata tgggacgctg ataccagcct gggacctatc 300
tacgcattat gggagcagac aatggcgag gttgagcagg tatctggcag gagtttctcg 360
atctggcgtg aaagcgcaca ggtgctggag ggtagtggct tccaagatat taccaaaaaga 420
tcttacaaat ggcctattag cgggtgcgtc acctactga 459

<210> 24210
<211> 226
<212> DNA
<213> Aspergillus nidulans

<400> 24210

ttcaacaaag ttcgcaacta cggctcatta gaagcacggt gtctctgggg aatcaataac 60
gccattttcc atgttgccgt ggacacaggt gcagaactag attccgctgc aggagacaag 120
agaatcgtag gcgtgtcatg ctggcttgca ccccatcccc tatcaaaacc agaatcatgg 180
tacagctggt cccaatcctg gctcctctgg ttccggcagg ggctaa 226

<210> 24211
<211> 637
<212> DNA
<213> Aspergillus nidulans

<400> 24211

gcctatttga accttgagag ctctggctgt gagcttgaat caattgtggt aggcgaaatc 60
cagaaggctt acaacgccta tgccgttatt atgaagcggg aggcagacca cacgctcgac 120

acggtagaca agcttcgcg c gggcccaatc tcaatgccgc atgatcatga atggaacgca 180
 tttgtcgcaa atacggacga aatggtggac cgcgatatcc gaatccgtga cgttgaaagc 240
 attacgtatc ccggcaagga tcatccggct gctgcagaag tcaggtcagg gatgctggaa 300
 cgcaagagca agtatctgaa gagctatgct cctggatggc tcgtctgctt acccggttga 360
 ctgctcgatg tgctaatact gctgcaggta tgttttgtca ccgactcacc tccatgagtt 420
 taagtcggcg gataggggtg catggcagac accagtaatg tcattatacc ttccagaaca 480
 gaaacttga tcgcattcgc aaccggactc gacatcgac aagttcatgc tgaaaggacg 540
 gcaaacggga acgatgcacg agggtcactc ctgggtatct agagcggagt cccacaaaag 600
 aatgataacc tggtagcagg atattgatgg aatgac 637

<210> 24212
 <211> 705
 <212> DNA
 <213> Aspergillus nidulans

<400> 24212
 atgaacctca agtccttggt ccgaatcgaa gcccagacct ttctccaatt tagacgcctc 60
 agcaccaccc gttcctccaa gatgcgcctt ccctacgccc cctctgagcc gccgactgcg 120
 gaccccgaaa cagccgagat ctacgcccgc atcgccgccc gccggcgccc tcgaccctc 180
 atccccctcg atctctccct gctgcactcc ccgcccgtcg cagacggctg gaacagcttc 240
 cttggtgcca ttctgacgca gactgtagtc gaccagggcc tccttgaact cgctgtctcg 300
 agagtggccg tgatcacgca agccgtatac gagtggaaatg cgcagcccc gctagctttg 360
 aaggggggaa tcaaaccgga ggaattgcac gccgtgcgaa cgctgccctc tacagcaacc 420
 ggagatgtgg acgcggccgt aaaggctctc gggcagagtg cgttgacgcc gcagcagagg 480
 gcgattgtga ggtacgcgga cgaaatgacc cagacggtca aagtgaaga cgagacgttt 540
 gcgcagttgc agaaggaggg gttctcgat cgcgagattg tggagttgac tacggggatt 600
 gcgtgctaca actgtgtgag ccgggtactg gttgccttgc acgtgggaga gaacaatgcg 660
 cgagagatga agagcgtgga tgagctagtt gcgggtttga aatga 705

<210> 24213
 <211> 933

<212> DNA
 <213> Aspergillus nidulans

<400> 24213

```
tgcagtatcg acggtgacaa actccagtgc agcagtgccg ggggtgagag ccggataaac   60
attcccatag cggacatact ctgtatactc tcagatggga atgtttcacg gggatacata   120
gtcgtctttc ttaaggagac cggatcaccg agtaccacac cagaacttga aagaatatac   180
cttcagaccg cgctaccaac agtggttatcc gaccatttac ttactgaagt accagaccat   240
ctcaactacg actgtcatat aatcggtttcc actgcatctg ggacaggaag ggccaaagta   300
ctatctggta tacttcaaca acttctcgcg tggatcggcc tcaatcggtt tacgggtcac   360
gagacacagt cagctcagac aataactgag ttgtgtcatt ctttgttcat cccgcaggcc   420
gaagcgggta tccaacaaac catcggttcta ctgtctggag atggtggact ctgcgatatt   480
attgatgcat tccatagtag gccgaaaagc atccaagcga taccgaacat agcccttacc   540
cctgccggca ctggcaatgc catggcgaat tccattgggc tgatgggttct tcctaaaaac   600
ccactaatgg cactgctgcg cggaaaacct attcctctac ccgttttcgt tgctacgttc   660
tccgacggag cgcgctatgt ccaggagagc agttcccgcg tttcgaggat atatggatgt   720
gttggttgcca gttgggggat acatgcctcg ctagttgcag atagcgacac agtcgaatat   780
cgcaagtttg gagccgacag attcaaaatg gctgcaaaag agtcctttt cccatcggac   840
ggtagcgagg ccacacaaata cagtggcact ataaccttgc tcaagagaga tggccaacaa   900
tgtctcgagc atgaactggg tttagagcat taa                               933
```

<210> 24214
 <211> 666
 <212> DNA
 <213> Aspergillus nidulans

<400> 24214

```
ggctggaaac ctcacccatc ttcacacttt gcccttcctc cgatttccaa agaagaatac   60
tctgttccga gcacaacggc caaggtcaga gtattgcgcg cggacgatgt tcaacgctgc   120
atgtgcagcc ctagcattct tgagaaagag agcgagggtc tgctggcggc ctcgttgcca   180
tccactggtc caaaagtagc aatagttcca gacttcgacg attacctatg gcactgggag   240
agggaggaat tctactocca gaagctcttt cccggcagag atatccccac ggcaaagggc   300
```

gccggcgatg atgctgccaa agtgtattgt gcctggaata ggacgtttgg caacacccca 360
gaggagaaca ccttgtacat tctcagatgg gtatacaacg agccctcctc tgaagaggaa 420
accgagacaa ccattaaagc gatggctgca atactcaggc gagcgcagct agaagcccaa 480
gagtggaata tggctcatgt caagttttgg aatccaacac ctctccttga aagggctgta 540
gcactgttgg accccactgc cgagataatt caccgcgaga aagacagcat cgcggtcttc 600
aggtggagcg ggaatccgga agaaaatgtg gaatggctcc tgaacgagaa gtatgcatgg 660
tgttaa 666

<210> 24215
<211> 384
<212> DNA
<213> Aspergillus nidulans

<400> 24215
ctggaaacgc tggatcgatt cgaagacacc attcttgatg tcattcccag tccggattcg 60
cccttcaagc ggccttgggt cgattcaaag caagctcctc ctttatcaca gtcagtggtc 120
aaaacggtag agtttccaga agaggacgag tcttatggcg aactagagat tcggtttctg 180
ggtccagatt gcaccgaccc tgtacaaagt aagtcctcga aagttttgca atgctccaag 240
caagttatct gacagctcca tagccggtgc ggtaaatgtt accctacttt acctggcagg 300
ttcgtctgcg tctcttttgg ataatatctt tgtcgagaag gagcagcttg caagcgctgt 360
ttattacgct acagaagacc gtcc 384

<210> 24216
<211> 635
<212> DNA
<213> Aspergillus nidulans

<400> 24216
tgctcctcc gctgtcatcg tccgtatccc ctttgtcaag actttcgctg atcctgactt 60
tctctgtacg tctatagccc aatctctgtg cctcctttt cgaactaaca ttgctttttt 120
ttgcagatgc cacaattgaa atagcaatct ggtccaacat cgaaattggc ctcggtatca 180
ccgccggttc gcttgcaacc ctccgccgcg tctgctgca ctggatgggc tctacgaacg 240
atccctctta tccactgggc acaccttccc cattcccggg tcgctccgga tcgctctccc 300

ctggtgcctc aggtcgagac cgagcatatc cgctcggctc gatggacgac agcaaccgat 360
 tacggccaga caaactcgcc cttacggtta cgactgtgca gacacagcac gatccccgagg 420
 atcgctggcc tgtcctgcct gatggaaata gtagtgaaga gcggttgacc aatgagcatc 480
 agcggaatgg caaggggaat ggggaatagga cgccgacgag atcgagtgca gagcgaaacg 540
 tgatgggatc tggttttggg gggattcacc aggtcattga ggttacgcaa acgtcgacag 600
 atttgaggtc aacgagtgtg aaggagcatg tttag 635

<210> 24217
 <211> 609
 <212> DNA
 <213> Aspergillus nidulans

<400> 24217

atgtcgacct ctaaateccag atgggcccgc gaagatcccc agacagaagc gctcattgcc 60
 cagcgcaagc gcgaaaagga ggagaagcga cgggctaagg ccgagaagca gcgactcgaa 120
 gagcaagcta aggctcaagc tgcagcggaa cgccaagccg gtgattccag gctcaatggc 180
 gaccccgatg aagcgccctc gaagaagcgt cgacggctct caaatgagca gcagccggga 240
 tccagcggtg agcaggctgc gaaacaaggg aaaccaacga cactgttaca attccccgcg 300
 ttggaatggg gaccctgtcg ccatgtggac aacttcgagc gcctgaacca tattgaagaa 360
 ggctcatacg gctgggttag ccgcgcaaag gagctcacia ccggcgaaagt cgttgccctg 420
 aagaagctca agctagacaa ttcccccgac gggttccccg taactggact tcgggagatc 480
 cagactcttc ttgaagcgcg ccatcaaac gttgtttacc tccgcgaggt cgtcatggga 540
 aacaaaatgg acgagtaagc ctgattacca acccctatga ttcatagccc ggcctattca 600
 tgccccata 609

<210> 24218
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 24218

tggcgcattg tgagaaatcc attgaccacg cagctcaacg atgttctgca aaacgcccag 60
 gtagtagtca acgatgggca cacccttgat aggaaggcgg tttggcacgt aattgagaca 120

gttcagcaaa ccgaacccag gtcagaagca gaattcctgg gcctaagctt actaaagcag 180
aagtctagcc ttcttctttt cggcgatctt cttttcatgg atcccacagc taggaatgat 240
gaggttatcg acacgacaga gaaagcactc atcgtcggag acttgatcc acgcatagcc 300
atgatactta ttcttctttt acgtactgag actctgcaaa gccctcaagg agtatgggtt 360
catgcagggc tggcggaaac ggcggaggct tacttgcgaa aaaccgacga agcgggaatg 420
tcgatcacag ggttcttcga tgctaggatt ctggacatga tgaaacgatt cctgctctca 480
tggcagcaga cgcgcgggta tggcagtata tcagacgaaa cctactag 528

<210> 24219
<211> 675
<212> DNA
<213> Aspergillus nidulans

<400> 24219
atgcgtttta ccaacattct tctgctctta gccgggtccg cctgggttgg agcgagtcct 60
gttgcttctg gtgagaccga gatcggttgc agacagtcgt cgtcggagta ctgggtgggc 120
actatagaga accgtggggc ggtgccattt ggggacgacg ccgactacca agtacaccgc 180
aatgtgaagg atttcggtgc tgttggtgag tctttccagg ctcatgtact tgtatgagtg 240
acttgagtga ctaatagagt aggtgacggt acaacggacg ataccgatgc catcaataag 300
gccatctctt ctggcaaccg ctgcggtcag ggctgcgact cgtccaccac gaagcccgc 360
gtggtttact tccctgccgg cacatacctc gtctccaaac ccattgttca gtactactac 420
acccaaatgg ttggtgatgc caacaacctt cctgttctca aagcgtctgc cgacttctct 480
ggtatggccg tcgtcgacgc agaccatac accgatgacg gttccaactg gtacactaac 540
cagaacaatt tcttccgttc gatccgtaac ttcgtcgttg acctgactgc catgccccaa 600
tcctctggag ctggtattca ttggcaggtc ggccaggcta ctagcctgca gaacattcgc 660
tttaaagatc aaagc 675

<210> 24220
<211> 1011
<212> DNA
<213> Aspergillus nidulans

<400> 24220

tcactgcgct atgctccccg tatcaggcac tgcaggaagg ctaatcattc tcgtcgagtt 420
 gtgggcggat agaaagactc atcccaggaa acggttatct ccctcatcgg catgctcgtc 480
 ggctccttcg tcgtctctca tatcaccagc ttcacggcaa catggcttac cctggctctc 540
 cttctatcca tgcacctgtc actcaattac gccgccgtcc gctctgtcca gatgacgaca 600
 ctgaacagac aacgagccaa tattgttttt tcgactcttc tctcctcaga cccggacctt 660
 gcggatttcg tttcgagccc tagccgaaaa gacgagcgac gagcttcgct caagcagcag 720
 gaacatactc accagaatcc aaaccatata agaccataa cccagaaca agtcgccaaa 780
 gaagaacgga tatttgctgc cggcgctgca ctaaagtggc actctcccc ctccaattt 840
 tcctcttcat caaggctatt acctgaagta caacttctag 880

<210> 24222
 <211> 1610
 <212> DNA
 <213> Aspergillus nidulans

<400> 24222
 ggtgtgccag cagcatgttt cccctgcgct actgccctgg gagcaacctg ggacactgaa 60
 ttactgcaca aggtagggca tttgatgggg gaagaggcca ttgccaaggg cgcgcacgtc 120
 atattgggtc ccacaatcaa tacgcaacga tcgccgctgg gcggccgagg gttcgagtct 180
 ttcgccgaag atggtgttct tgccggccac ttggctggct actgttccaa gggaatccag 240
 gaaaagggcg ttgccgcgtg cctgaagcac tttgtgtgca atgaccagga gcatgagcgt 300
 ttggcggtcg attcgattgt taccgaccgg gctacacgag agatatacct cttgccgttc 360
 cagattgcga tgaggatttg caaaacggcc acagttatga cggcttataa caagattaac 420
 ggtacccatg tgagtgagaa taagaagtac atcacagaca ttttgcgcaa ggagtgggga 480
 tgggacggac tagttatgag tgactggtag gttcttgaat cagtcctacc ggaatcatgt 540
 ctaagctgtt gcaggtttgg gacatacagt acgtcagaat caataattgc cggctctcgac 600
 atagagatgc caggtaagac acgctggcgg ggagacgccc tggcacacgc cgtatcatcc 660
 aacaaagtcc acgagtttgt cctggatgaa cgtgtacgca acgttctgaa ccttgtaa 720
 tacgttgagc cactgggtat ccccgaac gcagaggaaa aggttcttaa cggccccgaa 780
 gaccaagccc tactccgacg ggctgcgggc gagtctatcg tgctcttgaa gaacgaggat 840

<210> 24224
 <211> 907
 <212> DNA
 <213> Aspergillus nidulans

<400> 24224

```

cgatgaaaca gacgatgata tatctggatt aaaatcggac gctactggta aagggcagca 60
ggagcagaaa gcatcgaccc tgatgaacgg tattgggtta aaacgtcctc ttgaacttgg 120
tccggatggc ttcccgattc tcaaaaagcg aaagcgtgca ccgaaggcag caccgaaagc 180
tccattaaat gagataccat gggagggttt cgattccgac gacgaggata aggaagaaga 240
gatcggacct ggtatcgacg caaaaagcga agaagagggc acgggctccg atgattcttc 300
tgaatcagag agtgaagttg acgacaacgg cgatagtggg agtgaatgaag atgaagacag 360
aaaagatgag gaggatgaag acgaagacga agacgaagac gtagatgatg atgaggacga 420
ggatgaagac gacgagaaaag aggatgatga tgacgaagac gaagacgaaa ataactactga 480
tggaagaatt aagccccgac aatcagcctt caaatcatgg gccagacaac aaatcaatga 540
agttgtaggc tttaagccca catccgggtc aataacgact gagccacaag tcatcccca 600
atccgcactt ccagtcagag ctgtggagga agagccacta cctctagaac tccaagtcac 660
aaagggcaac ccgtaccgga aagccttcag tgttcaagtc gaccgtcccg aacatattca 720
agaagcccgt ctcaaactcc ccgttggttg cgaagagcaa aagatcatgg aagcaatcca 780
taacaactct gccatcgtga tatggggagc cacaggaagc ggtaaaaca cacacgttcc 840
gcaatttctg tttgagtctg gctatgggaa tcttgagagc gggaatcctg gtatgattgg 900
agtcact 907

```

<210> 24225
 <211> 566
 <212> DNA
 <213> Aspergillus nidulans

<400> 24225

```

tttatgatct tccccaggaa cttcttgcac cgatcgccct caaaggcgag gatcagccca 60
taaccgttga ggatgccgag cctaccgcga aagagtcctc ggacgacgta caagaacatg 120
cgattgcaac ctcaacaagc tgcgccattt gcaaagtgtc cttcgccaac gtacaggaac 180

```

agcgcgagca tgtgcgctcc gaccatcata aatacaacgt gcgagctcag cttagaggca 240
atgccgttct ggatgaagta caattcacga aggcgattgg cgagcttgat gagtcgatat 300
cgggggtccga gtcgtcggaa gaggaagacg gagatgctgg ggaccagctc tcagctttgc 360
tgaaaaggca ggctaaaatc tcccaagcgg ctgaagaggg caaagagagc gccacaccga 420
ggggtgtcgg gaaacatccg ctattgtggt ttacgcatcc tgctctccca ccgaatacgt 480
cgctgggtgt gtaccgggcg ctgtttacca atgaggagca ggaggagcgg aaatgtcctg 540
tcgtatccct gaagaagaag cactag 566

<210> 24226
<211> 766
<212> DNA
<213> Aspergillus nidulans

<400> 24226
tgagggtgctc aaggggtggct cttttggtac agtcctgggt ctcacggtg gctatgcagg 60
tgtcttggcc gcaccccgcc gctatcacac tatccgaac ctcacacttc ccatgaaagc 120
atttctcgtc acatcttccg gaaccttcgg tgggattatc ggagccgacc gtcctccccg 180
cagcttctaa gctgcgcaaa accagaaccg acaatggtac gaaaaccgcg aggagcgact 240
gcgcgcccag gaacttcgcg gtatgagctt tagcgatcgc gccctcgctt gggctaggga 300
ggaacgctac acaatcgttt tctcgacatg ggttgcttcg atgattggtg gctttgccct 360
tgtcgggcgg aacctttatc tttcggggcc tcagaagctc gtccaggctc gtgtctatgc 420
gcagggtgct acgcttgccg ttcttatcgc cagtgtgca ttcgagattt ccgagaggag 480
gagggtcaga cgggagcttg atgcgaagtc tgcgagtgt aaggcggact ctaagttgag 540
taacaacact ggtgaagata ccgagctatg gaaggacatg gtcgctgctg aggagcagcg 600
gttgaagaac aagcaccagt cgctctatga aaagcatcag aatgacgccg gttctgaccc 660
tgatgctggg tctaccccg ctcacaacaa ggctgaggct gagaagctgc ctagtgagca 720
ggagcaggag cagaagagtg aggagaagaa ggagaagcag aagtaa 766

<210> 24227
<211> 442
<212> DNA
<213> Aspergillus nidulans

<400> 24227

atgtggaccc atacaacccc tctgccggat tgggcttata agcaagccga gattaacggt 60
aacaaaaacg tcttgcagag cagcaacatt tggtatgtgg aggctattga gtcttttagaa 120
gaggatagcc ctctgtctcaa gaaggaagag cgcaaggta agcatttgcc gttctggagg 180
aagtacattg agcttcagcg tgccatgttc ttccacaaca acgccctcac cagcagccac 240
ccatacgca gcgagccgtt ccagtggccg ttcttctcc gcggtgtcag cttctggaca 300
aagagtgaca cccgcgagca gatctacttc ctgggtaacc ctggtggatg gtggatctcc 360
agcagtcttt tagctgtgtt cgccggtgtc atcggcgctg accagctctc tctccgccgc 420
ggtgtcgatg ctgtcgaaga aa 442

<210> 24228

<211> 681

<212> DNA

<213> *Aspergillus nidulans*

<400> 24228

atgcctcccc tctcaaccat gaaagccatc gtcactgaga aaaccggcgg ccctgaggtc 60
cttgaagtcc gaaccaccca cccggctccc accgcatcag aaggccagct gctcgtgaag 120
aaccagatta ttggaatcaa ttatatcgac acctacttcc gactggcct ctacccatcc 180
tccaagcctg aaatcctagg ccgggaggcc gtcggcgaag tcgtggccgt cgggtccggt 240
gccaatcctt acaacttcca gattggcgat cgctggctt ggctatccac cggctcgtac 300
gcagagtaca ctgctgtccc gcaggcggtc gcagtcaagg ttcttgaggg gatatcgaat 360
gaggatgtca tgggttcctt tttgagcggg ctgacagtgt tgacgctcgc gaaggagacg 420
tatcccgctc agagagggga ttgggtgctg cttcatgctg ctgcagggtg tgctggattt 480
ctcatgacgc aggttctgaa gagcattggt gctattgtca ttgggacggc aggaggaccg 540
gagaagggtt agcttggttaa gagcttaggt gcggattatg tgattgatta tcgtagtgaa 600
gagggcaaag attgggttaa gaaggtaag gagattacga atggcagggg tgttgatggt 660
gtctatgatt cagttggcaa g 681

<210> 24229

<211> 423

<212> DNA
 <213> Aspergillus nidulans
 <400> 24229
 atgccctgcc agtcaaaatg cgaaggctgc gcttgcggt cggctagcag ccagagcgca 60
 agcgcggtca atattgaaga cctcgacaag gagctcgaag cgctcaggaa gcgaaccatc 120
 gagctggaga aagtgcgcgc atcgccaaa aagggtgctgt ccctatccag tacactcggc 180
 gccggtcgta agctgcgata gacaacatgg ttcaactcgg gcgatgcagg gatgaccgcc 240
 ctgtacatcg agcgggtacct caactatggc gttacgaggg aggagctcat ggcgggcaag 300
 ccaattattg gcatcgaca gactgggtct gatatctcgc cgtgcaatcg ataccatatt 360
 gagcttgca agcgggtgcg agaggaatc agaacggccg gtggcatcgc gtttgaattc 420
 ccc 423

<210> 24230
 <211> 1578
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24230
 atggctgaca tgctccctct gtcgcatcag ttctcgatcc ggattacctt acgaagcgca 60
 tcgtactcga cgatgtaagt cactttgcct acggccagca caatgacggg gaggttggga 120
 tttggattgc cggtcgggct ggctggttct ccatctcccc cgcaagggg taccggccga 180
 tgttcaatga ggttgtggag gcgattgacc tgctctactt tctgaccgat cgacataagc 240
 cgaaaaggag cagtagaagg aggaggaaaa gttggggcgt ccccgagcct ggagcacctg 300
 tgtgatgaat atgtgcttca tacacatggg atctgtgaag acggcgacga ttcattggga 360
 gtcttctaca agcatcataa tttcttgatg tcacgcatga ttagaggtga agaagacgtg 420
 aactgggccg aaacgagtat atttgcgcct ctttgcgaaa aattcccggg atgttttgca 480
 agatctccaa ggcttacgtt agctctgacg ggtatctagg aggactatga ggagctacgt 540
 gctcaaaagg aatcgaagga tgctgaaaca gaagaagaag ataatgggga ggacgagcct 600
 gaggatgaag atgtagagat ggaaaccagg gcaactacgc cagacgcgac agccatctcc 660
 aaggcacagg cagacgccat ttaccagatc atccttgatc ttaaagaggc agggatatctc 720
 gcgaaacggc aactgaacct agagttggta acttcgactt taatggcgcg cttcgaaatc 780

gacgaactgg agtatgcgca gaaccttata tcaacaaccg cagctatcat tcttgagtct 840
 ttaacaagg ccaagacgaa tacttttgac tggaccaaaa aggccacca caggagagcta 900
 aaagctgcac cgaaaaagaa taccctggca aacgcgacaa acaccccgat acggctgcgc 960
 aacaccgagg acgatagcac ccccgacgaa gaaagtgaac atgaacagcc gaagcagcga 1020
 agacctcgcc atcggaatc tgtactacga ccaaagagtc aaatcgctag taagaggact 1080
 ggaaagcggg ctggaagcac aacagccgac tacgatctct cagatgacaa ccaagatgcg 1140
 acggacgagt ttgagactcc taccaaggtc cgcggtcatg acctcgtcag ggatccattg 1200
 tcgacaacta gggcaaaacg cgtactcga tcgattctgt cggaccctga gtcaactcct 1260
 ttcattgaaa ggacgcctct acaggaaacc ctccagagtc ggaatacctc cgtctcagct 1320
 gctgagcctg ggctcgacac aggatcttgt catgatacta atcttccagc tgacacttgg 1380
 gtatgcaaag taccctggctg tgacaaagtc atcaccaaat gtacctcaa gcgcggcaag 1440
 gaacagatcc aagatcattc ccttgcgcat gcagatgata cgaaggcgaa cgttgagcta 1500
 gttgaagcgg agaaaagact aaacgtcaac ttccgcgttg acaacctgct cagtcgcatt 1560
 cgggatatgg gactctag 1578

<210> 24231
 <211> 469
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24231

ccgccagtac ctccaaggtt caactataaa tcagtggttt tcgaatttac atcacctcta 60
 actccgtacg gaagcagcac gtcaggccat gcaggatcag gagatcggtta cctgttccca 120
 gaaaacacta tcttgagtg gctccctggc ggaaccactg tcatcgcttc tttcttgctg 180
 gtcaggaaaag tggatccaaa cgctccattc ccattgaga catccgcaga cactgctcca 240
 tctcgagcta agggcaagac tggtcacaaa tcgaaaaagg cggacacaaa caaagataag 300
 gccggcgacg tccagaatgg gaaagacaag gtcaaagaaa gtgaagccgg tgcgataaat 360
 ggagacaatc cacaatcaga gaataaggac tcgtccgcct cagacactaa acaaaacatc 420
 caagatagcc aaggcgacca aaaggccaca caggccgcgg aacccttta 469

<210> 24232
 <211> 1082
 <212> DNA
 <213> Aspergillus nidulans

<400> 24232

```
atgccgcaa atttcgccgg cttgtcgggc aggaaactgt ccttgacggt ttcgaccggt 60
gcgaccatgg gcttcttgct ctttggatat gaccgtaagt gcctgggtctt gagtcggctg 120
gaaagtcgac tggaaatggg tcgctagcta acaatgctca agagggcgctc atgtctggta 180
ttatcagtga tgtagccttc aacgatgtat tcacagccac caaggacgat gcgacgatgc 240
aggcgctcgt gacggccgctc tacgaactcg gatgcctggc gggtgccgctc tacgctctca 300
tgtttggtga tcgcatgggc cgacgttgga tgatcctgtc tggcgctgct gttatgatcc 360
ttggcgtgat catccaggtc acatccttcc caggccatat cccctgctg cagttcttca 420
tcggtcgtgt catcaccggt attggcaacg gtatgaatac gtaagttgcg attcccagtt 480
atcgagcctc tattgggctg gttctaacat ttgtctacag ttccaccatc cctacttacc 540
aggccgaatg ttccaagacc agcaaccgtg gtctactcat ttgtatcgaa ggtggtatca 600
tcgccattgg tactgcgatt gcctactgga ttgactttgg atctcactat ggcccgcccg 660
acttggtctg gcgcttcccc attgcgttcc agattatctt cggtattatc atcgtcgctc 720
gcatgtggtt cctcccagac tccccccgcc acctcatgc caaaggccgc attgaagaag 780
gcgaatatgt cctcgtgct ctcaatggct gtgaggttca cgatcacgaa acccagattc 840
agaaacagct caccctcgac tctctccgtg cctctggcgc gctgggtaag aagactagct 900
tccgcgatct cttgactggc ggacctagcc agcacttgcg ccgcatgctt gttggctcct 960
cgtcccaggt cttccagcag ctcggcggct gcaacgccgg catctactac cttcccgtgc 1020
tgcttaagtc caatttgac caagacaacg accaggctct cctgaacggc ggaatcaaat 1080
ga 1082
```

<210> 24233
 <211> 1703
 <212> DNA
 <213> Aspergillus nidulans

<400> 24233

```
ggcacagaac tttttgagac ggtcgataat tcttatatca aacgcaacc tgccgccagt 60
```


gacttctgct cggttgaat tggaacggaa taccagttgg ggaatgttaa ctctaaggct 120
tatgtgcctg gaggaagctc aactgcagca aacggccgta agtatcattc gctagagccc 180
cgaaggacag ggaaaactaa tataaaacct catattcaga gcagattgcc ctagcgctcat 240
acatacaccc cctagcagac cccgccgcct ggaaccgcat aattggctat ccctcaaaca 300
ttgtcagtgt tcttatcgct aacgtcctta atggccccga cacaacggtg aatgaagcct 360
gggcagatgt catcaacaga gcctctgctt ccggaaaacg aattattgga tatgtcagaa 420
caggatatct aggtcaaagt cagcaaagat tcgagaccgc ccttggttcg accgaaattg 480
ccgattgggt cgcgagatc gaagcagatg ttgatctgtg gtacgcattg taccctggga 540
agatcggtgg tatcttcttt gacgaggcat tgaacatttg cgggtctaata aacgaatatg 600
cggatctgta tcgggtttctc agtgataata cgaagcggaa atattcaaata gctttcacgg 660
tgctgaatcc gggggcgaca ataccgcagt gttttgagaa taggtgcgtt tcttacgggt 720
cttcttggac aataactgac atcttgcagt gctgatacgc tcatgacctt tgaacaaagc 780
ttcgacgtat acataaacag ctatgtccca aaccggggt ggacgccac agaccacgg 840
aagctgtggc atattatcta cggcgtcccg caagcagaag cagccagggt cgccaactta 900
gctcacgagc gtggggcagg ttttattcat ataaccgacg acacccttcc aaaccctac 960
gacaccctgc ccaacgaagc ctacatgtca gctctcatga acgctgtcca ggggtgtacg 1020
ctggcaattg ctagtccgtc cccgtttgac aacaacgccc gcgctgcatt cccgcttaata 1080
gcacttacag ttacggattc tgactattca tctgtgaaac taaggtggaa tatatctagt 1140
cgacgtcgac cctatgcata cgcggtcttc tgtgatggaa ggaagtggc ccgtctccct 1200
ggtacaatgg accacgtcac aattggcaac attagtcccg gatctcgctc ctcgttcacc 1260
gtgcgcgtaa ttggagaaaa cggcatcatg acaggaaatt cgccctctgt ctacgcccac 1320
acagacagtc taccgggtga ccaagcgggtg acaaacatta gagccactac ctagccggc 1380
tcgacaacga tctccgcaga ttttcttggt cctcacgctt taatgcacgt ctacctaact 1440
gacccagaca cgaattgcat tatgcccgcg tggcccatca actttaacat agacgacttc 1500
gtctgcgcgc actacatggt tgagaaccaa gtcctataca gatacagcgg tcttgagccc 1560
gcagaaggtg aagtgaatta cccttgggcg tggactgcta ttggtgcggc gccggccacg 1620
cgcaatggat atacgtggac ctggacactt cccgtgagca cagatatgac ggactcgagc 1680

tacttcgttg tacagtcaga ggg

1703

<210> 24234
<211> 582
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24234

atgtctgacc gggttactac catcttcggc gccaggggga agctgctgca ttccctccag 60
gtcttgctaa ttggagcgcc ggccttcgtc atcttcgggtt ataaccaggc cggcttgggc 120
cctctcgca ctctcaacag ctgggtggca acattccctg atatcgatac cgtccacacc 180
acgggctgga agaagagcga aaactcgacc aagaagggtg ctgtcattgc cgccttcag 240
ctcggagctc ttatcggagc cctttccacc acattcttct ctgaccgatt tggtcgccga 300
atgtccatct tcattggtgc gattctcact atcatcggac aggtcctgca ggtggcatca 360
tacagcctgc ctgagtttgt tgcggccgt attatccttg gtattggcac tggtaagtc 420
aacgttgctg ttccagtctg gcagagtga tgcgccgga ccaagaaccg cggccagcat 480
gttatcattg atggaaatgt catgtgtctc cgttatgcc ttngcaactg gatcgattnt 540
ggtctgagcc cgatcgaaga gagcacgacg cattggcgcg tg 582

<210> 24235
<211> 993
<212> DNA
<213> Aspergillus nidulans

<400> 24235

atgttctccc ttgcaccgc tgtgcggaga gcttcacca ccaagtcctt ccgagcgctc 60
tccgaccgc acaccgtgc gtttgccaga ctctgctgc ccacagcccg tgctcgttg 120
agggcgtctg cagtgcgct gctgcaaagc cgtcactact ctgcgcctc cgacacccaa 180
ctctcttcta cccggtccac cgtcgttcag ctgttgagca acatcggctc gaagcgtgag 240
gtccagcaat acctttcgca ctttacttcg gtctcgtccc agcagtttgc cgttatcaag 300
gttggtggtg ctattatcac tgagcacctc gaaaccctct cctctgcgct cgccttcctg 360
aaccatgtcg gtctgtaccc gatcgtcgtg caggcgccg gccctcagct gaaccgcatg 420

24234-24235

ctcgaggctg ctggtgtcga gccccagttt gaggatggga tccgcgtcac agatggcaag 480
 aacttggtt tggcccgcaa gctcttcttg gaggagaacc tgaagctggt cgaggagctg 540
 gagcgcatgg gtgtgcgggc tcgccctctc accgctggtg tcttccaggc cgactacctt 600
 gacaaggaga agtacaacct ggtcggcaag atcaacggtg tcaacaagaa gccgattgag 660
 tctgcaattg aggctggctg ccttcccatt ctgacttcca tggccgaaac ccccgatggc 720
 caagtgtca acgtcaatgc cgatgtcgca gctggagagc tggcgcgcg cttcagccc 780
 ctgaagatcg tctatctcgc tgagaaggga ggtctgttca acggtgacac tggcgagaaa 840
 atctcgagca tcaaccttga tgaggagtac gaccacctca tgacacagtg gtgggtgcgt 900
 catggtactc gtctgaagat caaggaaatg aaggagttgc tcaacgatct tccccgtact 960
 tctagcgttg ctatcatcca ccctgccgac ctg 993

<210> 24236
 <211> 606
 <212> DNA
 <213> Aspergillus nidulans

<400> 24236
 aggaggcact tcaagatggc ggaaagagcc tcagcagaaa tgaagccaaa gtgcaccccc 60
 gcggagtgca tgttgaaggc catcctgatg ggcacactga gccattacga gaccgggggt 120
 atgattgacg acaaacgctt ggaccatatg ctctctgctg gaaagcagat tctatataag 180
 acgcatcaag aaagcgatgt caggtaagaa tctactccgt cagggcgtat gtcggcagac 240
 cactaaactt tccttcacac tagacatggc ttaggattgt ctcccgacat ttggcagggc 300
 cttacagacg tatttacgaa ggcaattccg gttctagaat cacagtcgtt catctggaaa 360
 agcccgccgg ctgccaatta cgaacactcg tcttcgaact tgatagccta caattacttt 420
 tcgctggtga aggacatcga acgcctgaat gatctttgta cgatcgcccg gaaccttctt 480
 gctacgacga agaaagcgca gaatatggct gctgagaaag gattcgacca gagggttctg 540
 gcgttggtgg atacttgtgt tcgggtgacg gcgcgggggt tcgcggggag acgacgcaag 600
 gaatga 606

<210> 24237
 <211> 564
 <212> DNA

<213> Aspergillus nidulans

<400> 24237

aaaatggagt tcttcgactt taatgaggct gcttccggct cccacgtgcc ggacgacgat 60
gtcgcctctg atcacattga gatggacgag aacgatgtcg tggaaacata tcagtctctt 120
ttgcaagatc ggtcggagat tcccgaattc ctacctggcc aaagcgcttc tgaggaagtc 180
atgtctgaga ctcccgatcc ggaaggcatc taccatgg gccgtgccaa agaaccttgc 240
gacttctgca ggaacatggg gctggactgc tttatcgcca aacgaggcgt gatgcagaaa 300
agtggctgca cttgctgtat ttcgctgtat cgcgaatgca gtttcaccca aacaatgcct 360
cagggcagat tcgccggcgt ggacacattg catcctatct ccgagaacat ttatatcccc 420
acaggagggc tgaccggcaa gaaggcgctt aagtctttct ctggcattgc agaggatgtt 480
gacgctcgtg caaggaaaag cagctctcgt ctcttacgag aggctgggac cggatccttt 540
aggggtggct taaatgaccc atag 564

<210> 24238

<211> 474

<212> DNA

<213> Aspergillus nidulans

<400> 24238

aacgtggtgc tgaattctcg gatcgagccc tggctcacgg ccgccttgaa acgagtaaac 60
cgggtgaagc gacctttgaa taacgtcgcg cagcatatga ggtgtctgac cgagactctt 120
tcgtcggcga acgccatctg gaatctctgc tcgatgatgc tgcccaaagc tccggagtcc 180
gatctgcgca aggacgagaa ccctctcgta gaggccatat tcaactacca gatgattcat 240
attgaagcat acgtggtaca tggtgatatg gtatctcaga acgaggtcgc gttcaaactc 300
acgccagaga cgatcgaggc gcttgctgaa catcacaagg aggtctactc gattgacgcc 360
gccgctaata catgggactg ggctgagaag gacaatcagc tgaagaagct gcaggaggaa 420
tttatccagg cagccaacaa gtttggttac cgcaccagcg ctcaagcttt ttga 474

<210> 24239

<211> 426

<212> DNA

<213> Aspergillus nidulans

<400> 24239

ttcactgaga gaatgttcca ctcgcttata ctgggcagcc acaaattggc agagaagggc 60
aagccgtccg aggagcagac cgtgcgggag acaatggagc ccggcgatgt tctggtcatt 120
caccaggga tgggtcacgc aggatcgtct cacctgggag aggggtgctc gcgcctgctt 180
ttcacccaaa tggcgtcctg ccagctcact ccaactgaga cgtttatgtc tgtgccccgc 240
ccactgggtg aaagcatgac gcccttggct caaaaaatga ttggctggag aactatccgc 300
cctctgccga ccaatattaa cgggcttatg aacgtgaagc tgggccgcct tgaagatgcc 360
ctggagttga agtcagaaaa accccttgac cagaaggaga cttcgagcaa cgccttcact 420
tggtga 426

<210> 24240

<211> 517

<212> DNA

<213> *Aspergillus nidulans*

<400> 24240

taccaaact caaaggcgag gaccctgatg acgccttttc taccatacca tacgagaaag 60
gattcaactt cctgttccat ctggaaaacc ttgtcgggaa ggaaaaattc gaccgcttca 120
tcccccatgt gagttatcat catgctcatt attcgtaatg ctgtatcttg acctctcata 180
gtactttact acatttaaag ggaagtcgtt ggactcttac gacttcaaag ctactctttt 240
agattttctc aaatctgatg ctgaagctc ccgactgttg caggagctgg attgggattc 300
ctggtttctac aagcctggcc tgccctctaa accagaattt gacacctcgc tggctgatgt 360
tgtgtatgag ctggcgggca agtggagatc ccttcccga tctccatttc agcctcagcc 420
gagcgacatt cagggtttga cggcaaatca aatagtggc tttcaggaac agatcctgct 480
ttttgagcgg ccacataccg ccgaactctc tgactga 517

<210> 24241

<211> 1710

<212> DNA

<213> *Aspergillus nidulans*

<400> 24241

aataccactg tggacctact ggcgctggaa ccagtcgcca tgtacggtg tctgcaggc 60

cctggttctc gcgatcggtc tgggtcttct

1710

<210> 24242
<211> 1781
<212> DNA
<213> Aspergillus nidulans

<400> 24242

accgcgaatg ttaagatgcc catgcttatt cgaagcttgg gtatttctta cctactgcac 60
cagtctccac atatttttatt acattgacct taatccgttc accttttcta cttgattgat 120
aaccgtcgag atggctgcga gtcctaccga ttccgggtcaa ttccaggtag aggaaaagtc 180
atcaagccag acttgcgaca acataaagcc aaataccagc catcaggagc atgccgagac 240
gtatgctgac gagactgggc tatctcaaga tgaacaggaa tctaccaagg tatgaagcac 300
tcgtgctgga tcaggctcct caagaatgca gttattaatt cagttattga ttcattattga 360
agatgacatt ccgccgattc atgggcttca cagccatggc ctttctctgg actggtagtc 420
agatccccgt ctaccttttc ggtgggtatcc ctcccattat ctatgggtgat atcggcggag 480
tggacagatg ggtctggttt gtatgtactt tcccttattt cgggtcagtt tgaggactga 540
agaagttaac ctatatactt aatagggttct agggaaatctc ctggctctag ccggtgtttg 600
tcctttcggt ggttccctct ctgatctcat cgggcgcctg tatgttgctc ttattggggc 660
ttcgctggtc actgtcgga tgattatttg ctcaacggca cacgcaatga atacctttat 720
tggtacgaat caatgccatt gctcatttct cgtccgggtca gattgaatct aatataagca 780
gccggaatgg ccatcgccgg cgcagggtgct ggagtcaacg agctcacggc actggctgcc 840
acagccgaaa tggcacctac tcgccaacga ggcaaatatg tcgctgtctt gatctttacc 900
attgccccat tcgcgccatc agtgctctgg gccagctga tagcagatgc aggcagttgg 960
cgtcacgtcg gagctttctg cgcgcgtgg agtgggcttg gtttgatcat tacagcaatc 1020
ttctatttcc ctccgcctcg agttaattcg gaaggcctta ctcgagcaga aatcatcggc 1080
aggattgatt tcgtcggcgg ctctctgagc atcgtgggtt tgattctttt catggctgga 1140
atgcaatggg gcggttacca agtacatctt ctgcctctgt gtaactgtct atccatgttg 1200
actaactgac tactatagta tgactgggat tctgcacacg ttctcgcccc tcttatectc 1260
ggggtagtcc tactaatcgc cttcgccatc tgggaaattt acggcgcaaa gtttcccatc 1320

ttcccaagcc gcctgaagca ggagccccgt acactaatc taactctcgt cattacattt 1380
atctctggtg ccaatttctt ctcggtgctc atgttttggc ctacacaggc attcaacggt 1440
tacggccatg acccagtcga tatcggtatc cgcagccttc ccatcggtt tgggatcatg 1500
ggtggcgctt gtattgtttt gtggctcctt agcgtccttc gtggccacaa caaggaactc 1560
ctaattgcta gcagtgtttt gatgacggca ggttcgtaca ctcgacaaac aagcaagttg 1620
atggacattc aataatctga ctctaaccag gatgcggcgc tatggccgta gcggacgtcg 1680
acaacatgca tcaactctgg ggcattctta tcgtcgcagg cctaggtatt ggcgggatag 1740
tcgttccagc atccataatc accaccataa tctgccaga t 1781

<210> 24243
<211> 1510
<212> DNA
<213> Aspergillus nidulans
<400> 24243

gctttggctg aggcagctaa tgtggactac aattacttta ttcggacgac ggaacctgcg 60
cataaagagg ccgttcaata cttttgggta agtcacaggg actacttggc gagatcgta 120
cttacgcgga gcaggaaatg ctacaacatc gaggtacat ttacacatct aaacatgaag 180
gatggtattc tgttagcgac gagacattct atccccagtc acaagtcaat ctctcgttgg 240
accctgccac cgggcggaag agaattggtac gactcttggc tttcaccgtg atacaagctg 300
accagactag gtttctacgg agacgggcaa agaagtcgag tggcttccg aaacgaacta 360
tcactttcgt ctgtctcgt tccaggaccg cttattagaa ttgtacaaga cggatttcat 420
cacgccaacc cactatactg agcaagtggc caaatcggtt gcatccgggc tgtcagactt 480
atccatctcc cggccggtgg agcggttgac atggggcatc cctgttcaa atgacaatac 540
gcagacgac tatgtctggc tggacgcgct tgtcaactat ctcacgaaag caggataccc 600
ttttccgcct ggcgagggaa gccgcctcgg gtggcctgcy gatgtccacg ttgttggcaa 660
ggacattgtc aggtaggtgt tatcccagaa cgcaagtga cagtacttac gcgttcagat 720
tccactgtgt ttactggcca gcgtttctca tggctctgga tcttcccctc cctcggaatg 780
tccttgttca cgctcattgg acgatgaacc gtgagaaaat gtcaaagtcg accggaaacg 840
tgggtcaaacc ctttcttcgc aattgaccga ttcggaatgg acacaatgcg cttcttcccta 900

gctcaccgtg gcggccttgc atccgactct gactacgaca acagatacat catccgcgat 960
tataagaaat acctccaaca gggacttggc aacattgccc accgcacaat tggttgtgcg 1020
aaaggaaaat tgcgggacta tatcatcaat gctacatctg gcaattcccc cgcaaccgct 1080
gacgatcagg cataccagaa gactctggag cagctctccc acaaggtagc aaagtgtatg 1140
gaggcacttg acccacgtgc ggcactagag gagatcgtgg aagtaatcct tctggtaaaa 1200
tccttcaccg agtcgtagaa gctcagtcta ctgacgcctt tcttagacaa acaagtattt 1260
tcacaactcg gagccatggc agaatccgga ggagaagcaa cgcgtgattt tcaatgctgc 1320
ggagtcaatg cgtatcatgg gcatcttact gcagcctttc atgccgaaca aagccaaaaa 1380
gctccttgac atattgaagg tcgaccttc aaagcgggat ctctctgatg ctggctatgc 1440
acgagactcg acctacggcg aggatgttaa gaaaaaatc ctcttcctc cccttgcctt 1500
cgagaactaa 1510

<210> 24244
<211> 378
<212> DNA
<213> Aspergillus nidulans

<400> 24244
tttcaacacc ttaaccacca aggccaaagca atcgtggaga aagataccat gattatgcct 60
ttcaactccc taaccggata cttacacctt gtccgccacc tctctcctga tacagtctat 120
gtgcaagagt cactgtcagg tcaagacggg agcgcgggtga atcacatcgc cggctggggt 180
aggcaggtcg ttgttgtggt tggcgatgaa ggtggccgag gcggcctcat cgatagcgac 240
gatgaatcag tgctggcgaa caaggaagag aaatggtggc gcaaagaggg tgttactggc 300
attggtaaac gcacgcagct ggtcgatgtg cttcgtgttg gggatgattg gcgacgcagg 360
atcagtggca atgactag 378

<210> 24245
<211> 1196
<212> DNA
<213> Aspergillus nidulans

<400> 24245
ggactgctgg ggtctatgta tgggcttgcg cgattgcggg accacgttat ggggggtgct 60

ttacggata acggggcggtt gacgtggagg tgggtgcttct ataticaatct gccgctgggg 120
 gcagtaccat cgcttgtgat tttgtttttg atcccggctt ttgcggggag tgagaaccgc 180
 gagtccggga tcgggaatca gatccgcca atggatgttc ctggctcgct gtgtttactg 240
 cccggtgtca tctgtctgct tcttgcgctg cagtggggag ggacaaagta caactggggg 300
 aatgaacgta tcattgcgct ctttttctt gcaggcggtc tacttagcgg cttcacgata 360
 atccagtact tcagcggaga ccgcgcaacg gtgccgccga gagtcttcgg gaacaggaat 420
 gtctggggcg cgccctgtt tgggtcgggt gttactgctg gcttcttctt aatgctgtac 480
 tatgtacgtg ccgactcttt ttgcaagacg aaatccactg acaactctcc tagatcccca 540
 tctggttcca agccgtgaaa ggcgcactctg cagttcgctc tggcgtgatg aatctgcca 600
 tggctctcgc ctacgtgacc ttctcgctct ctggaggctt cctcacctcg ctgctaggct 660
 actacgtccc cttegcctat ctacagtta tttcatgtc agtcgggttc ggtctgcttt 720
 ccacatttac cgtctctctt ggatcgccag aatggatagg ctaccaattc ctctttggcg 780
 cgggcgttgg tcttgggtctt cagacggcgt ttgcggcgcc ccagtgcact ctcccgattg 840
 aagatatcgc aatcgggacg gcgattgtta tgtttcttga gaatttgagt gcggctatct 900
 ttgtgtctgt cgggcagaat gttttctcga atcagctcaa gaccaatgtc cagatttatg 960
 caccgagcgt tgacacagcg cggttgatcg atgggggtgc gacggaggta agaaatttgg 1020
 tgactgatga gacggtctac caggcagttt tgaggcgta caacaaggct ctgacgggga 1080
 cgttctatgt cggcgtgggc ttgtcctgca tcgggatctt tggagtgggtg tttatgcagt 1140
 gggtaaatgt gaaaaaaagt ggaaaaaaga ccgagcagga caataaagat gtttaa 1196

<210> 24246
 <211> 1735
 <212> DNA
 <213> Aspergillus nidulans

<400> 24246
 gttccttatt cactctggca gcgtatact tcggaatgcc tcggttaagcc gtctacaaa 60
 tccacggaaa gagaacagtc aaagagatca gcgcgtgtac tctacagaga ctctgcagca 120
 atcttcagac gagtcaacttg ccggtgtcga caacagagct cactgcatcg ttcggttggg 180
 aatcaaggca aattttcgaa cagcaagatg tccaagagct atcacgaaaa ctgatgcaga 240

gacttgagga gaaaatgaaa ggaactccag cggaaaaggc ctttcccga tgattagtag 300
 ggaaatcaaa aacatacatt tcatgtgtca atgttgacta tgagtcttca cgggtgcaag 360
 atttctggga tatccagctc aacgtgagga acaacaagac tcttgatgac agtttccgcg 420
 actatattca ggtggaaaga cttgaaggag acaacaaata tgatgcaggg gcgccgtacg 480
 gcttgacagga tgccgacaag ggcgaaatat tcgagagctt cccgcccgtg ctgcacttac 540
 acctgaaacg ttttgaatac gacattcagc gagacgccat gatgaagatt aatgatcgcc 600
 acgcattccc aatggagttt gatgccgctc cctatctgtc caaggacgcc gatagatccg 660
 aatcgtgggt ctatcaatta catggtgttt tgggtccacag cggatgatctg aacgcggggc 720
 actactttgc cttcttgaaa cctacgaaag atgggttctg gtaccgtttt gatgacgacc 780
 gagtaacccg agcgacagag aaggaagtgc tcgaagagaa ctatggtggt gagtatgagt 840
 tgcccaacgg tgcagtcgga gtaagacaac cctacaccg aggactgtca accaaacggt 900
 cgacgaacgc atacatgttg gtctatgtcc gcaaaccag ggtggatgat gttcttgttc 960
 ccataacaaa agacgatgtg ccatcccaca ttggtatgca caagctcctg tgtctttagt 1020
 atttgtgtt aatgtgccta tagaaaaacg cttgtggag gagcgtgccg agatcgcccg 1080
 tcggagaaaag gagaaagagg aggcgcactt gtacacgacg gttgggggtgc tgtctgagga 1140
 gaccttcagg tgccatcatg gttttgacct gactagctac gatccaccg ttgtggagga 1200
 ggcacttcca aaacagtacc ggattttgaa gactacgact gttggcgaat ttgccgaaaa 1260
 gatcgcgga gagaaagggc tcaaccgct ccaacttcga ttctgggtca tggtaaatcg 1320
 ccagaataag acaatgcggc cggatcaggt catccaggat cccgaaatga ccatggatga 1380
 ggcgtacagc agatatgcca ccaagggaca cgtgttccga gtatggctag aggtcgcaca 1440
 accatctccc gatggaaccg tttcatggcc ggatagctca acctcgggtc ttatcttctt 1500
 gaagaacttt gacgtaccaa cccaaccct gacaggagtc ggtgcaacat acgtgcgcaa 1560
 gagtcagaag gttggggagc tcgggtcgac aatactcgat ctgatgaact ggccggcccg 1620
 gaccgagttt gtcctttatg aggagattaa acacaccatg atcgatctca tgaagcccca 1680
 gcaaacgttt cagcagtcag agatccaaga tggggacatt atcacatcca aaagg 1735

<210> 24247
 <211> 555
 <212> DNA

<213> Aspergillus nidulans

<400> 24247

aaaaagtggg cacaagaaac gttagagacc atgtcgcagc ggtcgcgcag ctccctcaag 60
 gttgctctgc gccaaatgcy tgtggggccag gcatggggca tccgcgagac gttccagcgt 120
 gagtacgaga ttgctgcacg attcatgcag cccccgact tcgtcgaggg cgtcaaggca 180
 cgtctcatgt cgaagccgcc ccgccaggcg tcgtggcagc ctgcaactct tgccgaggte 240
 tctgagaagg acgtggatga gtttttcaag atcccgaag gcaaggagcg tatccaactt 300
 ttgagccagg agaactggcg ctcttaccce cactcctatg gtctcccttc tgaaaaggcc 360
 atcgagaaat tcattcggga agccgacccg aagtcaaggg cttcgaaggg cgaggttatc 420
 gagcatttcg tgaaggagtt tgaacacaag gaaggcgta aggagaagg tgcgagggtg 480
 ctggctagaa agaccactaa atccgccgag ggcctcattt ggcaagggtga ggggtgctgag 540
 acggatggte agtag 555

<210> 24248

<211> 687

<212> DNA

<213> Aspergillus nidulans

<400> 24248

ctaaaatgca acttatgctt atatacagcc tgctccgagt gcagcggaaa tccacagcat 60
 gcttacgaac gctgggttga tctaccacgc accgtaccac tcgatttcgt cagttctctc 120
 cggctctatct tgccaggtag actagctgta cgtgggtatca cgcgcgacag ctacaaagag 180
 ctaaagtcta actcctacat acctgctaaa tgctggtcag aattcttga cgcctgattt 240
 agggctgttg gcgacgagct ccgcttttcg gacatcaacc gaagtgagtg ttggactgtg 300
 acctacgacg gcaaatattc cgttttgaaa ttgggtattg agccttttgg tagtatcact 360
 tggctctttt ttgcaaagcc gcgcgaaaca gaccctgctt tatgtttgat tcgcgagggt 420
 ctctcgaaac ccgtagctcg aatgaccctg ccgggtgcctt cacatcaagc agggtaact 480
 tctagctcta tcttggaagg tgggacttgg gaaatatgtg ccccgctgtc ttcaagctgt 540
 tcattgaaat tttttggaac aggaagcaag gttgactcct acgaagcaag atgcggctta 600
 caattgcccg cgtacaaaaa ttcgcagggt tggagccata ttattgtcca cgggtgctgat 660

aaagacatca aagacttgga agttgat

687

<210> 24249
<211> 707
<212> DNA
<213> Aspergillus nidulans

<400> 24249

atggcccctc aactctttcc ctccaacccg gacgaggtca tggatgatccg caacgttact 60
tcagatgtca taaccatgag cttgcccttt gcgcgatttg gacgcttcaa attcgggtgga 120
cgagggacgc tgggttagtc gatgctcatc agtagcaatc tgcattctaa ctgatgaaca 180
acagtccgga tgacttccgg ctccatagcc gtcttttccc cagttaacct aactcccgcg 240
gtccgcgaaa cgatttccgg cctcggcgga cgagtcaagt acattgcagc cctcgacctt 300
gaacaccaca tccatttaac ggcattgaaa aaagccttcc ccgacgcgga catcattgct 360
cccgagggcc tatgggagaa gcgccaatcc gtacctgagc acaaagacac cccgatcaag 420
tacatcttgc gacaatccaa ctccaacaag gaacacacat ggcccatatc cgatgaattc 480
aacaaggagt ttgatatcga gtacgtctac ggtcatgggt cgaaggaaat cgtatttttg 540
cataagccgt cgtgcaccct tatcgaagcg gacttggtgt ttaacttgcc tgcgcgcgag 600
cagtactcga aaactggaga aagtgcgacg tcgggactct ggacgaagat tgttcggccg 660
ctcttgtaaa cggcgcagcc ggcgacctgg cagaagagat tcgcgtg 707

<210> 24250
<211> 380
<212> DNA
<213> Aspergillus nidulans

<400> 24250

caaaggtcac ggaaacgcct actcgctcga catcgatagc gcctggagca gcatgagcac 60
gattgaaggc gacggtgttg agttgaagaa cgtgacaatt cgcaactgga agggaaaccga 120
agcagacgga tcccagcgag gcccgatcaa ggtgaagtgt gcatccggag caccttgcac 180
tgacgttacg gttgaggact ttgcaatgtg gaccgagtca ggagatgaac agacgtatgt 240
ctgtgagaac gcgttcggcg acggattctg tctcgcagac ggtgacggca cctcgacctt 300
caccacgact ctgaccgcct cggcgcgccc tgctggttac tccgcaccca gcatggacgc 360

cgacctcgag accgcctttg 380

<210> 24251
<211> 630
<212> DNA
<213> Aspergillus nidulans

<400> 24251

atgacatctg cctcgtttga ctttctcatt atcggggcag ggatatccgg aatcaatgct 60
gcgtaccgtc tgcagagtgc gttcccgac cgtcgcttcg ccacccctgga ggcacgaaat 120
agcatcggag gcacatggga tctttttcgc taccagga ttcgatctga ctcggatcta 180
tatacatttg gccttgaatg gttccactgg aatcagtcaa accccatagc ggagggaggg 240
gacatcctca gatacctcaa tgatgaggct gcagcagcgg ccaacatcac gcagcatatt 300
cgcttcaaca ccccgctcaa atccgcccac tgggacggcc atcagtggac actcgatata 360
gaaagcaatg gtacggctga gaaactgcgt gccagtttg tcattttcgc aaccggctac 420
tatgactacc acaagcctct ggaagcgact atccctggcc tgcaggattt ccagggcgaa 480
gtgattcacc cccaatattg gcccgagaag ttgatgccc ttggaaagaa gatagtaata 540
atcggcagtg gggcgacagc tgtgacgttg gtcccatccc tcgctgagga tgcctgttcg 600
gtgacgatgt tacagcgaag cccgacatat 630

<210> 24252
<211> 420
<212> DNA
<213> Aspergillus nidulans

<400> 24252

agttttgtca tgccggctat ctacgactcc ttcgtccacg accgcggcct aaccccgac 60
aaagcctggc gagtctccta catcgctcct ttcacatca ttgtctccat cgccttagcc 120
atgtcttca cctgtcctga cacaccacg ggcaaatggg cggaccgga gaaaaccagc 180
gggcaaagca ttgtcgacct cagttcaacg cccaatgcat ccagcgcaa cagtatcaac 240
atctccagcg acgagaaaaa ggctgtccat ccagaagtca ccgattcaga ggctcaagtc 300
catgtgcgcg cgggacagat tgagagttcc gacgctgtga tcgaagcccc cacgataaaa 360
cgctacctct ccacgcact agaccgctcc gcccttgccg tcgcagttcc ttacgcctga 420

<210> 24253
 <211> 733
 <212> DNA
 <213> Aspergillus nidulans

<400> 24253

```
atggatattg atatggattt ggacctcggt cctctacctg aacccgagcc aatcgagatg   60
gtaagctaca gagaaagatg acaaaccatt gagagctcaa actaatgttt tgcgtatagg  120
agcaaacact tcaagcaacc acagccgttc cagtagacgg agcaatcatc gaccctcaaa  180
cagccgaggc acaatctgaa aaggtgcaca tacgtggtgt tgacgaatta acgacagacg  240
atatcaaaca attcgcgtcg acacatttcc cgctagaaca accagcgcgt attgagtgga  300
ttgacgatac ctccgcaaac atagcctatt cgacgcccga gattggatta caagctctgt  360
ctgctttaac acatgacggc gaactggaag gtggcatttc tggggatggg acagccccaa  420
ccgcgccagg agagattccc gcaactccggc tgcggtcggc gaagggtgctg gcctcgcac  480
cagactctgt tctacaggtg cgctcggcgg tgaagacaga taagaagaag cctcgcgcgc  540
acgaggcgag tcggttctac atgatgcac cggaacatga cccgcgggag cgcttgcgac  600
gtgaattggc ttctgatcgg cgtcgcggcg ggggagggga cagtgatggg gactatcgga  660
ggaggcgttt tgacggacga gaactgcgtc gccgtcggga gcgcgataat gaggacggca  720
ttacggcgaa cat                                                    733
```

<210> 24254
 <211> 1764
 <212> DNA
 <213> Aspergillus nidulans

<400> 24254

```
ctgctggtcg cccaattcgg acctttcttc gctgctaccg ccatgccgac gacttcaaac   60
aacgcgtccc ccgttaagcg cccgggcctg ggccgcgctg ctgtctcttc tcacgccgtt  120
gtcacgcgct cctcgtcttc gtctaccag ggagagctct ctactcgca tacctccac  180
acctctcagc cccaacagaa aacaccagg catcgacccc atcgagcaca tctcgtcggt  240
ggcggccatc gcagtcacgg ccgtaatcca tcgtttggaa agaacttggc taaattacag  300
cggcacctaa catctcacca cgccggtcca gagtaccggc tgcacagca ccagcgcaag  360
```

aagtcggccc cggtgacgcc cgttgcgagc cccccgcgcc agcacgttca ctgggatgca 420
ctggacgatg cctccccctcg taccactagc tctataaaaa aaaactattc tagccccggct 480
ttgcgacgga gcaactcgag cgtcttacca aagaaggcct tagtcaccga ccgccctcat 540
accagctcgg gaaagaagaa gacggtcgga tttgaactgg cggactcgac ggacgagggc 600
gagtgggagg atacaactca atcgctgag agtaccaggc gaagttctgt ggcgagtc 660
aaagacggcg acgagaatcc ggtcgtgctg gtcgatccgc ttacatttgt gaagcggccg 720
tatccccagt ttccccgagc gaccagtctt ccggaaccta cgagcagaag ctttcacgac 780
gatcaatcat caggtgaaga cgacgagcac gtcagcgca caagggagca atcttcagac 840
acggaggaag ctccggagga ctctacgcgc ccgcctgac agggcgatat tgcatacagg 900
cttcttagcc cgtcacattc cgctaaggcg ccgcccgcga tgtcttcaat atctgccacc 960
gcgacaccgg cgccggtgga tacgatatca cgaaccgat ctctcacgaa cctggcatct 1020
ggtcaggatg gactgcgaag accggtgtcc accgcaaata ttgcacaggc cagtacccca 1080
tcacaagcgc ctgggtcttc atctatagaa gggggcgat caaggtttat caacaacaag 1140
atcgcaacgt ccggtaccga ctcatatccc aacactccat catcattcct tcctcactac 1200
catccgcaa ccccgccctc tcccaaagg acgaagaaga cgcgagctc ccctacttcg 1260
cggcaacctg gaacggaacc gccctccgc actcaacaga aactttggct gcagcgtacg 1320
gcagccctga atgactctcc tctgattcc caggtgcgt cggccactgt gtcgccgtcc 1380
accatgggccc ccgcttacat tagtggaaca gcccgggcg gattgggacc atatgatcca 1440
gcgcggggccc ttgacaatgg ctctctagg aatggcgggt cactgcatga agccaagcat 1500
atcctcatag catacgagag gactgccatg gaactaacgg ttgttcggga gattcagtct 1560
cccacccagt gcagcttcac ccgtgtgaac gcaattctga gggcggaag acggacaaga 1620
ctgacagctg agtccaggag ccccaaactg gtcttgacaa gcctgtcagg tcagcgctg 1680
ctttggttct gctacaacgg aatgccaaac agcaagatct ccgtgacagc agtagcgcca 1740
caagcgaga ctcaagacag ctaa 1764

<210> 24255
<211> 1611
<212> DNA
<213> Aspergillus nidulans

<400>

24255

attagcaccg actctgttga ttgcgctgtg tgtcatagta catatcacat gtatttgttt 60
cgaccagcgt tgacaaaaaa gcccgcctga ggattcgctt gggcgtgcgc cgctttagc 120
cgggcgcagg agcggaaact ggaggccaga cataccccca tgcttggtga tgggtccgtca 180
gaattgccgg acgcagacga ggaaatgatc gaagaagaag aggaggacca gccgaacgga 240
gctcccaatg gactacagg cagcacacca gcgccgatcg aggaagtacc ggttcgacca 300
gccacggagg agcaaatagc gcaggcgagg atgtggccgt atcgctactt gggaatccat 360
tgccgagtgg aagatgcttt agactacgat gaccgcatct atcctcgggc gagttcgca 420
ttgggacctc gacaccaggc tgtggtgaac ccctggcccg ggcgtccggt cgaatacgtc 480
aaacctattg aaatcaagaa gaaatacatg aagagctccg gcggacgcaa ggacaacagg 540
ctcaciaaagg aactgttgc tgccattgaa gctgcgaaga aggagagggc tgcccagaccg 600
agctgggtac aggatgaacc tgctggtttc attcgagag gcgaagatga gccagtcaca 660
ataggcgga agcagggtccg cactgcagag atgcttttta agatgccac tccagagcaa 720
ttgccgacta gaggagcgga cgacgggcct ggtgcgggcc tcagcacaac ggaccgggaa 780
aaatttattg atgagtatat ggaacgggcg aaacagttgg ctcccgacat tgggtgttag 840
aagtattcga ccaacttcct cgataaagcg ttggagcttc tatacgcgca cagcttcaac 900
gctgacgcgg cgctcacaaa actaaagcaa gtgaataaat acaaggatct gaaggaacct 960
cacctgaagc ctgaagaggt taaggctttt gagcaagcag tctccaagtt cgggtccgag 1020
tggcgcaaca tcaccaagca tgtcggcagc gtaccgcatt accaaatcgt gcggtattac 1080
tacatgtgga agaaaacgcc cagaggtcgg caagtatggg gcaactatgg cgccagaaag 1140
ggtaagaaag aagcgaagcg aaacagcacc gcaaagctcg tggatgatgt cgcgacgat 1200
catgacgact cggcatttga taacgataaa gccgctgaga agaagcgtgg gttccaatgc 1260
aaattctgtt caacacggtc gtcgcgacaa tggcggcgcg caccggagt agctcccgg 1320
accacaatcc ctagtgagcc tggatcgaga aaagataagg gcccgagct caacgtcgcc 1380
ctctgcttgc gttgtgctct tctctggaga aagtatggaa tccagtggga gagtgtggac 1440
gaagtagcaa agaagattgg ccagagtggg aacaagtcac ggcgccgccg tatcgacgag 1500
gaacttttga cgcaactcct tgcttccgag gaagctggca ccactagtgt caacaactcg 1560

accgcagcca ccgcagcttc gcttggtggt tccgtgaacg cgaatgccca g 1611

<210> 24256
<211> 510
<212> DNA
<213> Aspergillus nidulans

<400> 24256
gagaccattc ggagacggct ggttcatttt ctctacgctg attttaccaa gcacttgaat 60
gaagaacatt acgatgctat atttaaccag tcggtcatat tgctccaacg cttttttcac 120
agtgcgtgta ctccctggga aggagactca accactttgc gggctgacat gattcgggcc 180
atacagaact ggccgaatth tatcacagaa gactctttgg agcatgacaa aaggatatgc 240
actaagcctc ctctcgagta tccagacaca gttattcatg acactatcca tgtggatacg 300
caacagagag cagctgatac tgtgatggaa caaacgcgta atgttcttgg tgtggacata 360
ttgggttggg tgcctaataga tgaatatgaa gctgcgaaag aaatggctcg tgagataaag 420
atcaaaatgc ttgaagcagc tgaaacatgt ggcgatatca cagggattca aaaccatttt 480
ccgttcgaag acttcgatga aaagtcctga 510

<210> 24257
<211> 393
<212> DNA
<213> Aspergillus nidulans

<400> 24257
atgttcgtga cattactcat gtcatacaatt atgattaccc caataactca gaagactatg 60
ttcacctgat tggtcgaact ggtcgtgcgg gtgctaaggg taccgccatt acctttttca 120
ccactgacag taagtctcac tgcatttgtt ttcataagac gttgctaacg ttgttttaca 180
gatgctaagc aggctcgtga cttggtcact atcctctctg aggccaagca gcagattgac 240
ccccgtctcg ctgagatggt ccgctacagc ggtggcggcg gccacggtgg tggttatggc 300
cgttgggggtg gtcgtggcgg cggtcgtggt cgcggtggta acttcactgc ctccaacgca 360
gcgcctcttg gtaacaaccg tcgctggtag acc 393

<210> 24258
<211> 455
<212> DNA

<213> Aspergillus nidulans

<400> 24258

gaggcaagat tcatgtccaa ggttcctctt cgaatgtcac gcacacaatc aacgaagatg 60
aaaggaccga atttacgaga catatcaatg ctgtcctagc aggtgatcca gacattggcc 120
atcttctacc tttccctacc gatacattcg agatgttcga taagtgaag gacggctctgg 180
ttctcgcaaa acttatcaac gacagcgtcc ccgatactat tgatgagcgc gttctgaaca 240
aacctggcag gaaactcaaa gagcttaacg cattccacat gactgaaaac aataatatag 300
tcatcaactc agccaaagga attgggtgct cagtcgtaaa tattggaagc ggcgacatta 360
tagaagtgcg ggagcatctt atcctgggtc tcatttgga aattattcgc cgtggcctat 420
tagggaagat cgatatcaaa cttcatcccg agctt 455

<210> 24259

<211> 1230

<212> DNA

<213> Aspergillus nidulans

<400> 24259

cgagaaccac cctactctgc cttttcagaa cctagaaaac gcttctatct cgccatcgtc 60
acagcagccg gcttcttcgg cccgctctgc ggtgccgtgt atctcccctc gttgaatctc 120
tacgaggatg ttttccatgc ccagggaca gtcattaatg caactgtgtc agtgtatatg 180
gccgtttttg ccgttgacgt gagtgatcac ttccctggct atcccgtta ccttacccaa 240
tgccctagcc ctgcagagaa ctatactgat gctgtgcggg acagccctta ctccggtgcag 300
cactatcaga cctcggcggc cgaaaacaa tctacatcgt cacgctcgtc agtttccctga 360
tcgccaatat cctcctttcc acacttccgc ccaatatcgg cgcattattt atcctccgca 420
tcttccaagc cttcggcgcc tgcacgtga catccattgg cgcaggaaca ataagcgata 480
tattcgagcc cgcgcgacgt gcctccgttc ttgctatctt tctgctcggg ccacagctag 540
gccccatcct cgggccctta attggcggcc aattcgcaac agaagacaaa tggcgctggg 600
catttgggtt cctggccctc gcctgcttgc ccgtctacct cgctatcctg ttctgcctcc 660
ccgagacatt gagatgtcta gttgggaatg gggaagtctt cagaaccaga ccgcttttta 720
cgctgccccg tctgcgtcag aaaccgctcg tagaccaagg caaattccct aagccaccga 780

aaccgagtct gaggaactgg atcaacctct tgattcaacc aacgcagtgc attgtttttg 840
tgaacggagc cctctccttc gctgggttgt accttatgta tgtttccttc ccagatgtct 900
ggggcgagaa gtacggggtt agtaccgcgg aggttgggta tgcataattg agccctggta 960
tgcttctagc ttttgtcccc tttctcaaga aaagcagcta atgtgctcaa ggaatcgccc 1020
tcttcattgc ctccctccta acgggcccgt tctccgactg gcatcgcgca cgcctggtaa 1080
aggccactcc cgacataaag atcaaagcgg aaacacgcct cccaattcaa attatggggt 1140
ttgtcatctc cgccgccgga aaagtcatgt tcggctgggt cacgcagcat aagctccatc 1200
ctgttgctgg gcttggtgca tctgccttag 1230

<210> 24260
<211> 545
<212> DNA
<213> Aspergillus nidulans

<400> 24260

gatactcaat tggttgagtg gtacaacagc ctcccatata tccttaaaga ccatgaacca 60
tgcccggaag gaatcgcaaa caccgcgaa gtcacgaaat ggcgatatca tgtccaacgc 120
atactcctct accgtccac actattgagc tatgccatgc ggcggttcc gtatattgct 180
ctacgatccg aggagcggac ggcgatcgaa aggtgcagag aaattgccga aaccgccatc 240
agagacatct cggcaactgc aaagaccct cagatgtctg ggtggaacgc cgtgtggttc 300
ctcttccaaa gcaccatggt tccccttcta gggctgttca tcaacgacaa tacagtgaca 360
gatccccggg ctactacaga ggcgtgccaa gcgcaggtcc aagacgcttt acttgtgttg 420
gcgcgtcttc agcaagcaag tccgacggca agggaaaacc ctcgacgcag ttttacgggt 480
atgtgaggcc agtaaacctg ggtccccgga tagctgccgg aaccaaccag atcaacagcg 540
gttaa 545

<210> 24261
<211> 1770
<212> DNA
<213> Aspergillus nidulans

<400> 24261

atggcagtct ccaatacgt agccgcccg ggtggcgccc tctctccgag ccagacaaca 60

tcgcaaattg ccacgaccac agttagtgtg gggggaatga catgcggcgc atgtacttct 120
gccgttgagg gcgctttcaa cggcgtcaaa ggtgccggtg aagtctccgt gagtttgatg 180
atgagcaggg ccgccatcca ccacgatccc actctcctcc ctccaggtaa agtcgccgag 240
attattgaag actgcggtt tgatgcgact gtgatctcca ccgacagttc gtcgattccg 300
tcgcgagcgc ccagcgatca tggagcatct gaggcgaatg tcgtgacaac aacactggcc 360
gttgaggaa tgacttgcg ggctgcacc tctgcagtgg aaagcgggct ggagagaac 420
cccgtgtac gatccgtcaa tgtctcgctg ctatcagagc gagcgggtgat tgagcatgat 480
ctgtcgacgg tctccgctga gcagcttgcc gagatagtgg aggatcgtgg ctttggcgca 540
agggtcttag aaacctcgac atcccgggct ggtcctcgcg gatccgagtc tacggatccc 600
tcgtctcagt caatgaccac taccgttgct atcgagggta tgacatgcgg cgcattgacg 660
tcaagtgtac aggcggcggt tgacggcggt gaaggtgtga ttcaattcaa catcagcttg 720
ctcgccgaac gagcaatcat caccataat cctcaaatac ttccatctcg gaaaattgtc 780
gagatcatcg aagatgccgg cttcgatgcc aaggctggtt ctgaggtcca ggcgttggt 840
cagaagggcg ggccgactca ggtcacgctt gacgttcatt gcttacgaga tgctaattct 900
gctgcagccc tggaggactc cttaatgcaa aagccgggga taatctcagc gtcagtaaca 960
cttgccacct ctgggtggt tgtctcgtag gacacctcta tggtcgggat ccgtacaatt 1020
gttgccgtca ttgaagctgc tggctgcaat gctttactag cggattctga tgacaagaac 1080
acgcagctag agtctttggc gaagacgaaa gaggtcttgg agtggagacg cgccttcctg 1140
ttctcactat cctcgccaat ccattgtgtc gtgatagaca tgattcttcc gatgtaccta 1200
ccaacgttca attttgcggt tatccgaatc attccgggtc ttacctcgg cgactccgtg 1260
tgtctattac tcacaattcc tgtgcaattc ggtatcggtg aacgcttcta catcacaagc 1320
tataagtcct tacggcaccg tgccccaacc atggatgttc tcgttatgct tggcacttca 1380
gcagccttct tctacagtgt tttcaccatg attgtagcca tcgttattga ccctcaccaa 1440
agacccaaca ctgtctttga cacaagtact atgctcatca ccttcataac ccttggtcgg 1500
tggcttgaga acagggccaa gggcacaacg tccgctgctc tttctcggct tatgtccctc 1560
gcaccatcaa tgacgaccat ttacgatgac ccgatagccg ccgagaagat ggtagaagaa 1620
tgggataaag ttgacggcca agagcaaaaa acggctacaa acgaaatgtc caccgtctca 1680

caaaaaatca tccccactga actcattgaa gtgggcgaca ttgtcgttct ccâtcccggc 1740
gacaaggttc ctgctgatgg agttgtcatt 1770

<210> 24262
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 24262
ttcaccatgg ctgaatacaa tggccgccgt gcgcccaact tctcgcaata tctggacgat 60
ttgaatgcca ttccttcgcc ctacgatgtc gcgatgcagc agcagcaaca gcaggatggg 120
ttcaatatcg ataacgacct atcgctgttc actaataccg agtttttcga cttcgatctg 180
aacctcccgc cattcgaacc cgtcgaggag aacaagcaca acgttaacca aaactccgat 240
atggatttct tggatatact ggggtggtggt aagtgttgga ttttctacat ggctgcccta 300
ttcttgtgag atcgagtatc ttggatgtgc tgtcaaacgt accatgggag cttatccaga 360
ggttctctct ggcatgtgca tctattttctc gaaattttct tgcttcttca aggcgctcgg 420
acgtttgtg 429

<210> 24263
<211> 1962
<212> DNA
<213> Aspergillus nidulans

<400> 24263
atggccgaaa tcccagagcc caaagggctg ccattgatcg gcaacattgg cacaattgac 60
caggaattcc ccctgggttc catggctcgt ttagcagaag agcatggcga gatttatcga 120
ctgcgatttc ccggccggac ggtcgtcgtc gtttctaccc acgcgctggt gaacgaaacc 180
tgcgacgaga agcgcttcag aaagtccgtc aattcggccc tggcgcacgt tcgtgaaggt 240
gttcatgatg gactattcac tgccaagatg ggcgaagtca actgggagat cgcccatagg 300
gtcctgatgc cggcctttgg gcgctttcc atccgaggca tgttcgatga gatgcacgac 360
attgccagcc agctggccct gaagtgggcg cggtacgggc ccgactgcc catcatggtc 420
acagacgact ttaccctct gacgctggac acgctggcac tgtgctcgat gggctacaga 480
ttcaacagct actactcacc ggtgttgcac ccgttcacg aagctatggg cgatttcctc 540

acggaggctg gagagaagcc gcggcgccca cctttgccgg cegtgttctt ccgcaatcgc 600
 gatcagaagt tccaagacga cattgctgtg ctccgggata cagcgcaggg ggttctccag 660
 gcgcgcaagg aagggaagag tgatcgcaat gatcttcttt cggccatgct gcgcggcgtg 720
 gactcacaaa ctggacagaa aatgacagac gagagtatca tggataatct aatcacattc 780
 ctgattgctg accacgagac tacctctggc ctctctcat tegtgttctga tccattgctt 840
 acacaccaag attcttacgg ctcaagtgcag caacaggtgc aatatgtggt tggatcatcta 900
 gtcattgaag tatcgcaatt gtctaagctt ccctatatca acagtgttct ccgtgaaacc 960
 ctccgtctca acgcgacaat tcccctgtta gcggtggagg cttttgagga tacgctcctt 1020
 gcgggcaagt acccgtcaa ggcggtgag actattgtca atctcctagc caagtcgcat 1080
 ctggaccggg aggtatacgg agaggacgca ctggagttca agccggagcg aatgtcagac 1140
 gagttgttca acgcgcgcct gaaacaattc ccaagtgcgt ggaagccatt tggcaacggg 1200
 atgcgggctt gcattggacg accttttgcc tggcaggaag ctctcttggt catggccatg 1260
 cttctccaaa actttgactt ctactagct gatcctaatt atgacctcaa gttcaaacag 1320
 acattgacca ttaaaccaaa agacatgttt atgaaagcac gcttgcgta cggcctgacc 1380
 ccaacgacgc tcgagcgtcg actggcgggg ctggctgttg agtccgcaac acaggacaag 1440
 attgtcacca accctgcgga taattcagtc accggtaccc ggttgacgat cctctatggc 1500
 tcaaatagcg gaacatgcga aacgctagcg cggcgtattg cagccgatgc cccgtctaag 1560
 ggcttccatg tcatgcggtt tgacggtctt gacagtggtc gttccgcgct ccctacggac 1620
 caccctgtcg tgatcgtaac ctctcatac gaaggacagc ctcttgagaa cgcgaaacaa 1680
 ttcgtttctt ggctggaaga acttgagcag cagaatgaat cattacagct caaaggagtc 1740
 gactttgctg tattcggtg cggaacaag gaatgggcc agacgtttca ccgcatccct 1800
 aagttggtcg acagcctgct ggagaagctg ggaggcagtc gcctcactga tttggggctg 1860
 gcggatgtat ccaactgatga gctattctcg acatttgaaa catgggccga cgatgtgctc 1920
 tgggctcgcc tagtcgcgca gtatggcgca aacggaaaga cg 1962

<210> 24264
 <211> 369
 <212> DNA
 <213> Aspergillus nidulans

<400> 24264
 ttggggccgca aaggcaccat gatcgccggc accctgatca ccggtgtcct tcttttctgc 60
 ttcaccgcgt ctacagatcc ggacatccag ctctgtctgct cttctctcga ggccttcttc 120
 cagaacatca tgtacggcgt cttgtacgcc tacacgcccg aggtcttccc ggcccccaac 180
 cgaggtactg gcagcgggaat ctcgagctgc ctgaaccgaa tcgccggact gtgtgctccc 240
 atcgtggcca tctacggcgc gagcgcgaac ccggatgctc cgatctatgc atctggcgcg 300
 ctgatccttg ccgccttcgt ggctatgatt ttctctccca ttgaaaccag ggggagacag 360
 acgctgtaa 369

<210> 24265
 <211> 1111
 <212> DNA
 <213> Aspergillus nidulans

<400> 24265
 actcgaggag acatgccttt ctcaacttcc tgctgatgtt cttcagtatc ggaggacaag 60
 actggcagtt ctccaatgtc agcgcagaaa acacctacca atttgttggg ccctggacga 120
 ccgggggtcaa tctgacagag tccaatgccg ggcgaaatgtt tgaactgaga ggtaccgacc 180
 cataaacgct cttctgatac ggtgctaatt ccagcagtga caaattgggc ctacggatat 240
 gttcactagc cggtcctttc tttcccagct aaccagtaa acagtccaat tatcaagtgt 300
 atccgtcaac tctgcggcgt cgatttacia tatcaagccg tttccaaaaa tggtcgaagt 360
 tattggtgac tcgtacgtgc tgtccacagt caagggcggt gtctaacgag tgtagcctga 420
 gctctggaga cttcgcaacg tacgaaggcc ttctgtcctg ggcatacctt tttgccgccg 480
 gactggggaa tgtggaatat caccttacgg tacggtgtga cagggttca tatgtcgcaa 540
 ctaactgtag caggcctacc caggtatctg cctacatgat caagaatgct ggggcaacct 600
 caggggccag gtatgccgt cctccaccgt atccgccgtt gcttagtgag taggtttatc 660
 aatggtaccg aactaccgac acctctgccg gggcgatgaa aatctacggt gacgagcccc 720
 ctaaattggga cttcaaactg cagcagccgg ccgacctggt ggtcatcaac atcggcacia 780
 acgacaataa cccagcgaac aacgttccta gcgaggacta ctttaatgat tacgtgaagc 840
 tgatagctga tattcacggg atatggccgc atgcgcagat cgtcctcatg gtatgttcac 900

tgtacaaagc catatttccc gactaacagg acagtctcta tggggtgggt tcggtgcatc 960
 gggagatacg tacgtccagg gcccgtttt tgtcgacgag atcaagaggg tatatgaagt 1020
 gtttcaaaag ctatggaact tcgttcta cttcgacacc acgggtatcc tgcagcacia 1080
 cgatatcgcg ccgcagtggc gagtcgactg a 1111

<210> 24266
 <211> 828
 <212> DNA
 <213> Aspergillus nidulans

<400> 24266

atggagagca tgcggacaca cagtgcaaac ctagtggagc aggctgatct tgtaagtcac 60
 gagctgatta gggtcgctgt tctgtggcac gaactctggc acgaaggact ggaagaggcg 120
 tcacgtctct atttcggtga ccataacgtg gatgggatgt ttgcaactct cgcaccgctt 180
 catgaaatgc ttgataaagg tgctgaaacc ctgcgcgaag tatcgtttgc ccaagctttc 240
 ggacgtgacc tggctgaggc caagcattac tgcattgctt atcgcgagac ggaagaaatc 300
 ggtgacctaa accaagcgtg ggatttgtat tacacagtgt tccgcaaaat cagccgacag 360
 ctaccacagt tatcaacct agatctcaaa tacgtctcgc ccaaactcaa ggattgcgtg 420
 gaccttgatc tcgctgttcc tggtaacctac caaagtggca ggccattat ccgaatcatc 480
 agtttcgatc caatcctaca tgttcttcaa acgaagaagc gaccacggag gatgactttg 540
 aagggcagtg acggcagctc ctacatgtat gtggtgaagg gccacgaaga tatccgacaa 600
 gatgagagag tcatgcagtt attcggcctg gtcaacactc ttctcgataa cgatagttaa 660
 agcttcaagc ggcattcaac ggtgcagcgc ttcccgcca ttctctgtc tcagaactct 720
 ggtatcatcg gctgggtcac caatagtac accctccatg ctttgataaa agaataccgg 780
 gaaacgcggc gtattctcct aaacatcgag cataggatca tggtacag 828

<210> 24267
 <211> 429
 <212> DNA
 <213> Aspergillus nidulans

<400> 24267

ttgtgggctg caatcccaat gtacaatgca agcctattgt tcacccaaat atccctactt 60

ttgcagtacc tgcgcacatc cccaagttac aagtttcgta tcatatgtta cattgtaatg 120
 ggaattgtgg ctgcatactc ggcggtgggccc attgtcagtg ggtttgtcaa ctgcgtgcct 180
 gtggccaagt tctgggaccg agaactacct ggctactgtc ttctgttcga agtgctctgg 240
 ttcttcaatg cctccatgaa tctcgtacc gatcttactc tcctcattct accgatgcct 300
 ctcacacac aactacagct ccccaagagg cagaaatttg ctctcatggg cgtcttcgcg 360
 ctcggtggac tgtagttttt ccatgttttg caaagaaacg ttaccttga ttggaggcag 420
 ctaacatgc 429

<210> 24268
 <211> 2230
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24268

attagcacc acagtctgca ttcacgcga tcctctggga ggccgcaact tcgaatcggt 60
 cagtgaagat cctttccttg caggaaagct cgcggcgcag tatattaaag gccttcaggg 120
 caacggcgtc gctgcaacca tcaagcacta tgccgcgaac gagcaagaga cctgccgatt 180
 cacagtcaac gaacatatca cagaacgagc actccgagaa atctacctga aaccattcga 240
 gatcgccatc aaagagtcga acccgctggc agttatgacc gcctacaaca ttgtgaatgg 300
 aaccacgct gactcgaaca attttctctt gcgagatgtg ctcaggggag aatgggggatg 360
 gaagggctct gttatgagtg attggggcgg taccaactcc acggccgacg ctctgaatgc 420
 tggctctgac ctagaaatgc ccggtcctac aaggtggcgc aaggtagacg aagtgcctgc 480
 agtcgtaaag tctggtgccg tggtggagga gactatcgac gagcgcgcg gcaacgttct 540
 ggagcttctt gctaagctga attgtttcga aaatcctact attccagaag agaaggccat 600
 caatcgtcct gaacaccaga aattaatccg ctccgtggga agtcaaggcc tcgtcctcct 660
 caaaaacgag ggcgatgttc ttcctctgag aaaagagata ttgaccaaca agaaggtagc 720
 tcttctgggc tttgcgcgag aagctctcat tcacggcggt ggtagtgctt cagtcaatgc 780
 acattatcga gtcactccag aagagggctc ccgcgccgct ttaggcgaca ctgttgagtt 840
 tgaatatgcc aagggcgcac acactttccg ccagctgccc ttaatgagcg acaacgttgt 900
 taacctagaa ggccaacctg gttggaccct agactttttt gcggacgagg agcccaacgg 960

cgagccaggc tcatcgatct cgtccgagca acccagctat ataccgctct ttgtcaagga 1020
 atcatgggga agtgtccgag ccagcgccca ttacacccc acgcaaagcg ggaaacacta 1080
 ttttggcatg tctgggttgg gccgggtccaa actcttgatc gacggcgagg tcatctacga 1140
 acagaagctg aattgtccgg actccatggg attcttactc ggcggtgtgg aagagccaga 1200
 aatccagtat tcattcgaag ctggaaagac ctatgcggtc gaagtggttt cggtgaaacc 1260
 caccagcaag ggcggtctcg ctctgctgga cggcttcatt ggtttccgtc tcgggttcat 1320
 gaccgaggaa gagcacaata gagatttgct gtctgaagcc gtcgatgtag ccaaactag 1380
 tgatatcgca attgtcttca ctggccatac tccagattgg gagacggaag ggcaggacca 1440
 gataagcttc cacctaccgt ccaacgggtc ccaggaccgg ctctgtggcag ctgttggagc 1500
 cgccaaccct aacaccgttg tctgaactg cactggcgta gcggttgcta tgccttggtt 1560
 ggacaaggtc aaggcggttg ttcaagcgtg gttcccagga caggaagccg gcaatgcaat 1620
 tgctgacgta ctcaccggcg ctgtgaacct ttctggacgt ctacctgtgt ccttccctcg 1680
 ggcgatcgag gatgccctg cacacggtaa cttccccggt gactacacag acgggaagga 1740
 caaccggcgc catctcgaag ttacatacaa ggaaggtgtc ttcgtgggct accggcacta 1800
 tgatctctct gaagccaacc gcgccaaggt cctgttcccg ttcgggtacg gtctatccta 1860
 caccactttt acacatgcga atcacaagc aagtgtctac agcaggaaca ccgtcgaagt 1920
 ggccgtggat gtcactaacg tcggcacctg tgctggagct gatgttggtc aagtctacgc 1980
 tggtgcaaaa ctggcagtcc cagagaacct agtcaaagag ctagttggtt tcgccaaggt 2040
 acacctcaag ccggggggaga ccaagactgc caatatcaca ttcgaagtgc gccaaactgac 2100
 tcacttcacg gagaggagcg gcaagtggga gctggaatca ggcgactatg aaatatcaat 2160
 cggtcagtcc gtgagggata tcaactggca ggtggagatt ggtctggaag ccagaatta 2220
 taaaccttga 2230

<210> 24269
 <211> 758
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24269

atggacaaag gcagcgctga catgggtgag caagccgaca agcagcagct cggctacctc 60

gccgattcgg aagaccagaa gctgagcaaa tgggacagcc ttaaaaagta cccatggacc 120
 ttcttctggt gtctctatgc cgtctggtgt gttctcctgg tcagcttcga gaaccaggca 180
 gctggagtcg tcatctcaat cccgcaattc cgccaggatt tcggcagctt gtacgaagat 240
 agctatgtcc tcgatagcaa gtggcaatcg gccttcagcg gcggtcccgt cgcttctgcc 300
 gtcgtgggcg ccctctcctc tgggtcaaatt gcagatacct tcggtcgtaa atggacaatc 360
 ctgggcgccc tgttgatctc cgtggccgcc gtagcccttg agttcgtatc taccacgaac 420
 gagatgttct tcggcggaaa gttcctcaac ggcttcgctc tgggtgctct cgctccatc 480
 cccgtcacct acgttggcga aatctcccct atagcgcttc gcggaacgct cacttgtcta 540
 accgcattgg cttactgtat tggccccttc accgtcgccc tcattacaaa caccacaggc 600
 acctacacca cccgctgggc ctatcgctct gttttcgccg cccaatgggg cttcgcagcc 660
 atcgccctct cacttgtact tttcatgccc gagtcccctt ggtggctcgt ctccaggggc 720
 cgggagtcag acgccctctc cagccttttc cgtctggg 758

<210> 24270
 <211> 1754
 <212> DNA
 <213> Aspergillus nidulans

<400> 24270
 atctcaactg ttcataacat ggtcgcaacc tacctgcaaa gttctcgaac cattatactc 60
 gcagttgtgc aagcaaccaa cgattttgcc aaccaggaaa ttatcagact ggcacgcaag 120
 tatgatcacg atggccagcg gacagtgggc atcatcacca agcctgattt aatcaacaag 180
 ggcaactgagg ctaaggttgc acgcatcgcg aagaaccagg atactatcaa gctcaagctc 240
 ggatactttc tcctgaagaa tccaagccca gcagaacttg atgaatgtac cactatggct 300
 gcaaggtccg ctcttgagct atgcttcttt actggccctg tatgggccag ccagcatctg 360
 gacatggatc gagttggggt agataacctc cgccgtttcc tgcaaagact tcttgacgcc 420
 catatcgaga gagagcttcc gaaagttcga gccgagataa aaaagcgttt tgctgaagcc 480
 gaggcggagc tgaaatcaat gggtaaggct cggccaaccg ttggtgatat ccgcatgttc 540
 ctcacaagcc tcagcatgac attttatgag ttacttcagg cagccctaga gggaaattac 600
 cacagcagca ggcacaatat cttcgtaggg aatggagata ccaggttgcg ggctcttatt 660

caagaagcta atacaagcct tcgcgactca gatgcatgaa agaggaaaac gccgggttgt 720
 gcgcgatgag gatgataatg aagacgacgc caaggataac gaccaacaca gcgtcgaaaa 780
 tgacactgat agcatcaaca acctcattga tgatgatgat gatgatgatg atgttgatgc 840
 tccactactt tatgtaaaca atgagcaa at gatggattgg gtccgacagg tatagaggcc 900
 acaacttcct ctttaatatg tctttcta at attatcatag gtgcactcaa gaacacgagg 960
 gaaagagctg ccgggtaact ataactcgac cctccttgca gagctattcc atgagcagtc 1020
 ccgccggtgg ttcaacattg ctcaatcaca tgtccgccat gtccgaggca ttgcatcaca 1080
 gtggaaagac caggttcttc acgccataat ttctgaggag aagcttcgta cagaggttcg 1140
 aaacattcta caggaatggc ttgacaacgc cgagcggcct gcaatggagg agcttgataa 1200
 gcttattcaa gatgaacagc gcgatcccct gacatacaac cactattata cagacaatat 1260
 ccagaaggct aggcttgatg cgcagaggaa agaggtagg aatgcagtta ctcgtgtggc 1320
 gaacgaggat tggaatggaa atcttcacat cagtaacacc tcttacgacc ttgacagggt 1380
 tttgcgaggg ctccggacaaa ggatcacaat tgatatggac aaacaagcgt gtgacgaagc 1440
 attaaccag cttaatgcct actataaagt aagtatctgt ataactccct aatatttaag 1500
 attttcttac tgatccatag caggttgccct tgaagacgtt tattgacaac atggctcgac 1560
 aagtcataga acgccatctg atatcacctt tgcccaaagc tttctgtcca acctctgtcg 1620
 ctaagcttga tgatgaagca cttctccgta tcggatcgga gcctgccc at gaggctgcac 1680
 ggcggaag acttacgagt atggctcatg gactaaggca gagcctgctc gagctccaga 1740
 ggctgcctc ataa 1754

<210> 24271
 <211> 608
 <212> DNA
 <213> Aspergillus nidulans

<400> 24271

ggaatacaat cttcctcggc ctccggcgct caaaccaacc ctccaacaaa ccctggggct 60
 ggctgaaatc gctcgtctct atagtagcgt tcttcacggt tgcagctctc ttctccagct 120
 acggacgaca cgtcggctct aagaagagga ttactctggt ctcttctttc ctcttccaag 180
 ctatcctcgt gttcctcgt gtcgcgctcc tagaagcaga cttgatcccg cacacacctg 240

aggaatctga aggactcaca ggcgggtcgtc tgttcctcga actcatcccc attgcgctcc 300
 ttgcattcca gtctgcgggg tctatgactg ctgcaagggg cctgggcttc aatgaaatcc 360
 cgacggtggt gctgacgagt gtttactttg atgttgcgag tgatccgaag cttgtcaggg 420
 atgttagggg aaatgtgaag cgaaatagac gcattggggc ggtagtgttt ttgttgctgg 480
 gtgctattgt gggaggttgg ttgagtaaga gtaagggggg gatggagagt gcattgtggg 540
 ttagtgcggg attgaaagtg atcatcgcgg ttacttggat ggtctggttt ggggaggatg 600
 cgaaataa 608

<210> 24272
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 24272
 gttatacgtc aaacacaacg tgctcagcga agatattccc atcgttatcc ttctcaaagc 60
 catgggcatc cataccgaca aggaaatgat gtccttggtt gctggcgctc acaaggtcta 120
 ccaggaggac ttcgctatta actttgagaa agctatcaag gttggcgatat ttacgcagca 180
 gcaagcactt gattggattg gttctcggat caagatcaat cgaaagcaga tgtcttaccg 240
 ccggacacac gttcagaggc cgtcgaggct attgcgccg tcatcatttc ccacattgaa 300
 gtcaaagaca tgaacttccg gcctaaggcc atttacgttg ctaacatggc ccgccgtgtg 360
 ctcatggcga agaatgacgc ggcgctggc gacgaccgtg attaccttgg gaataagaga 420
 ctagagttgg ccggacagct attagccttg ctctttgaag atctcttcaa gaagttctgc 480
 tttgatatta aaatgaacat tgataaggtc ctaaacaagc gcaatcga 528

<210> 24273
 <211> 444
 <212> DNA
 <213> Aspergillus nidulans

<400> 24273
 atgccgctct accacggcac gtcggcaata gcaactgatta ccagcctgtc atcgggaatc 60
 tcaattgcca taagccgcaa gttcagtgtg cgccagttct gggcagatat ccgggactcg 120
 gacgcgaccg cattcgtcta tgcggcgag gcggcgcggt atctgctcgc tgcgccgcca 180

tcgccgcaag acaaagagca ccgtgtgctg ctgatgtacg gaaatggcct gcgccctgac 240
atctgggatc gattcagaga gcgcttttggg gtcgccgagg tcggcgagtt cttcaacagc 300
accgagggaa tcttcgcgtt gtttaactat aacaaggggc ctttcacggc tgggagcgtg 360
ggccaccacg gcttattggt gcggttgctt atgaataaca catatgtgcc tgtggctatt 420
gacccaata caggagacgt gctt 444

<210> 24274
<211> 773
<212> DNA
<213> Aspergillus nidulans

<400> 24274
gcggcaacgg cggagaacga caaccccgat gtccgtgacc gagcctatgt ctactggcgc 60
ttattatcaa ataccagtga ccagatgct gctaggaaca ttgtgctctc caaaaagcct 120
ccaattgtta ccactatcca ttccttctt cctgctcttc tcgagcaact tcttactgag 180
ctttccacat tggcttctgt ttaccacatg cctcccgagc agttcgttgg ccagggccgt 240
tttggtgctg acgctgttca gaaggctgcc attgagtacg tctacgtatg cctctcactg 300
tagtatgtat gctaatacac ctatctaggg acaactcca gaatgcgcgc gaaaaccgc 360
tggctgctgc cgcgccggcg gcagttgatg gcacggccgc tccgcagcag cagaacaatg 420
tggagaacct tctggatata gatttcgatg gactgcgcgc tgcactctgct cacaaggaac 480
caggcgggtg tgtgtctggt ctggatggtt tagctggcac ccccgctcgt gttgactctc 540
ctgcagggtg tgcacettca gggagcaata acctggacga cctccttggc gtttttgggg 600
acaatgtcca gtctctaca ggcgcacatg cgctccac tggtggtgcg ggcgtgacc 660
ttctcaatgg cttttctggg ttggatctt cggcaacat gtcttcaccg ccacctgcgt 720
cacagtccag ccagccgaag aaaactaatg aggacatctt atcattgttc taa 773

<210> 24275
<211> 504
<212> DNA
<213> Aspergillus nidulans

<400> 24275
atgacttcca ttcggcggat gtccccaacg gacctcttct ccctcaacct caccaacctc 60

gacccactga ccgagaacta cgatctgggc ttctacctga actatctcat gcgatggccg 120
tcgctcttta gcagcgtgaa ggaccgcagg gaaggaattg ccggatacag tatgctttca 180
ttttgccctt tttcctgttc tcccattctt taatgatacc cctgtttcat tatcccctac 240
cgaatcgagc cccgctaate cccgcaatcc agtaatgggc aaactcgaag agcaacaccc 300
ctccctcaaa gcctcagagc attacactcc ctggcatgga cacatcactg tcctaactgt 360
tgcgccggca tggcggagac ttgggcacgc gcgtcgactc accgagcgtc tggagcgggg 420
ttccgatatc aacaatgcct ggtttgtgga tttgtatgtg cgggcaggga acaaggtcgc 480
tgtggatatg tataagggca tggg 504

<210> 24276
<211> 527
<212> DNA
<213> Aspergillus nidulans

<400> 24276
ccccgatgcc ggctctgcg gccacgagg gtccagcatc gcattctcga gtcaattgaa 60
gagtggaggc agacaatctg tcagacatcg cggataaag atgatctggg gcataatccgt 120
gatatgcacc ggttactact gtacaaaggc tatgtatttc cggaaattcg gcgcgaggat 180
gcggctgttt tgaaccctag cgatgtatgt tggcctacgg atgcatgtca gaactgtgtt 240
gacctggggt gcagaatctg cgttcggctg aggagatgga ggaggaggag cgagaagcgc 300
agtcggcgaa gctgcaggag ctgattcgga gaggaacgcc ggcagatcta caggaagcaa 360
accggttgat gaaggttatg gcgggatacg acaccggca taagaccgac taccgggcta 420
aggcggcaga ggaggtggcc aaagttcagg agaaagccaa gattttggaa gaaatgctgc 480
agagccaggc gccgggtgat cggatcgcgg agggcgatgt gtttaag 527

<210> 24277
<211> 449
<212> DNA
<213> Aspergillus nidulans

<400> 24277
cacatacact gctccattag ggacattcgc gagccagagt ctcgcgcttc ccatggtgct 60
aagggcgact ctctaagga ttctaattgc tccgcaatga aggtaagctt tcgtccatga 120

tacacgatcg agtgaatgcg aacatcgtgc agtccattat cgaccaggac acagacaagc 180
aagcagacat cgaaaagtcc agggccaacc tgccattacc agaccagccc cctgtcgcta 240
gtgactggaa tcccgccgat cagcgagctg tcaatgttgg ttcggacggt atcgaaggac 300
ccatctcagg cgagagcaac tctgctctcc gaggtccagc cacagcctca agcagtgtc 360
acgaggtcgg agaggagacg cacaggaaca cacagccagc tagcaatgtt ggtcggggag 420
acctccctgc cgatgctcag gctcggtaa 449

<210> 24278
<211> 713
<212> DNA
<213> Aspergillus nidulans

<400> 24278

cctcgtttac atctccaatt gatgcgcttt acctcgccgc catcttcgat ccgattttca 60
cggcgtcata cccaaccacc aggggaagtgg aggagatctc gctctttgaa gcgatcctgc 120
gcgccttcga ctacactgag actcactacg ctccctcgcg gaacgcgaag accacctccc 180
tttcccaatt gcagcgcaaa tatcccggtc gccctattgt cacttttgcc gaatgtacca 240
ccaccaacgg ccgcggtatt ctcccgtct ctccctcggt gacgaagatc ggatctacgt 300
cgaagatctt ccccgtttcc atacgctacc agactgagga tattgtcacc ccaataccgg 360
gccattatat tggtttcctt tgggtccctgc tcagtaaacc aactcattgc atccgcgtcc 420
gcacgcgga atctgtcacg atggccggta gtggcaacgg catgaccgag aaaatgaaga 480
agtctaacta cgatactaac tactttgatc ttttagacga ggtaagtga tccaaaggag 540
gagtggcttc ttcgagggat aggggtgaaa ttgaccttag gcctaccgag aagaaccttc 600
tggatacggg aggggatgcg cttgcgaggt ttggccgggt gaagcgggtt ggcttagggg 660
ttgctgacaa gattgatttc ttggaggagt ggaggaagat gcatccggcg tga 713

<210> 24279
<211> 540
<212> DNA
<213> Aspergillus nidulans

<400> 24279

atggcggacg cccaatttga tagtgcgctg taagtccttc acttgaaaac tgtcttcgca 60

atatacccccg cccattccaa acatgtctac cccaaaccaa ccccgctgc accctgcaca 120
ctccgctgac acggacgcca tggctgcacc agcgacctcc tccggcgctt gaacccccgt 180
gacacaaagc agaacctcca ggcaattacc tctattgtgc cggaccttac cgaagacctt 240
ctatcatccg tgcaccagcc gctcgagatc cgtcgatgtc ccaagacaaa gcgcgactac 300
ttactctgcg actataaccg cgacggcgac agctacagat cccctggag caatgagttt 360
gatcctcctc ttgacgatgg cacagtaccg agcgagcgag tgagaaggct ggaagttgcc 420
gcaaatgagg cgtttgatgt ctatcgcgag ctgtactacg agggcggtgt tgggagtgtg 480
tacttctggg atctggacga tgggtttgca ggtgttatac ttctgaaaaa gggcgctcg 540

<210> 24280
<211> 608
<212> DNA
<213> Aspergillus nidulans

<400> 24280
gtggtgattc cctctacaac agcccttctg caacagacgt cgcagacctg tcgagtatat 60
acaaccttgt atcgtctgcc atctccaaag cgacggggac ggtcttagct ttggcccttc 120
tcctatccgg tctctctgcc ggcattgtct gctccatggc cggacaaatg gtgtccgagg 180
ggatgctcaa ctggagtatt cgcccttggc tccgtaggct catcaccctg tctatcagca 240
tcatccccag tattgtgatt gctggggcgg tggggaagga aggccttaat aagacgctta 300
cagctagcca ggtcgtgctc agcgttatac taccctttgt cagcgcgccg cttgtttatt 360
ttacttgccg caaccggtac atgactgtgc ccatggagcg ggtacatgat gcagatgcag 420
atatagatac agacgagcag acccagcctc agaacgccgc agaaggtgac gacaacgggtg 480
gcagtgctac cgacggcgtc aaaatgggca atggacttct tgtttctgct atagccgtct 540
tggctctggg cattatcgcg gtcataaatg tggccttgct tgtccttgta gggatgggca 600
aggcttaa 608

<210> 24281
<211> 1009
<212> DNA
<213> Aspergillus nidulans

<400> 24281

catggaacac cgaggctctt agcacacca ccaagccgta tactctactc gactttgaag 60
atgaagcatc cgttgcgagc tgcaagacca tggccgaccg tgctgtggga gggttcagta 120
ccgccagcct cgactatatc cccgccgatt cttcaacaaa cactcctgcg cacgcgaggt 180
tccatggaac tatctcaacc aagctgcccc ataactggag ggtagaaagg acaggtgaat 240
atccccgcga tatgaggatg atcagagaat gacaagttct ttatcaggat acgccgcctt 300
ccgcaaccaa gaccggggct tctggctttt tggccggcta tactgggacc ttgaccgta 360
cacctaccta gcactgcgag tcaaataccga tggccgtcgc tatactgtga acattcagac 420
cgacaccatc gtcgagaccg atatccacca gcatcgatta tacacccgcc accaccacgt 480
gcggaactcc gaatcctcat cctacgatcc cctttcacca tacgcatcac ccgaagctgc 540
agagtcgccc gaactcgccg aagccaaata tcccaccgga atccccgctg ctctctccga 600
cgttcaccg ccatccacta ttatgtcgtc tatgtccgcg acgacatctg gttcgaccgg 660
atgggagaca attctgttac cattcaactc ctttgtccgg actaatcatg ggcttgttgt 720
agagcctcag acttcgatca tcagacagcg agtgaagagt gtgggcattg gtttaaccga 780
tcgggtcgaa ggcccttatg atcttcgcat acatcgtatc tgggctacaa acgggatgag 840
tgaagccgag attgaggagg agcgtcgaat ttgcggaaca gctgccttac ctgttgatga 900
gggtgtccga acgggggtggg ttgcatcgga tgacgccaaa cttgagaaac atgggaagca 960
agagcacaag ccaaaggggc tgaaggggct acgcgatgag tgggactaa 1009

<210> 24282
<211> 813
<212> DNA
<213> Aspergillus nidulans

<400> 24282

gaaatgactt cttctattcc caatggcaaa cgtcgtcggc ttgaccaggc gacaaccact 60
ctctccagac cgttcaagtc tcctctccgc agacctactc ctgcagtga agacgaggct 120
gcgtcatcaa aaattgaggg aatggcagca tctagttctt tcataaagac cattacacct 180
gatgggcagg ataacagtac tgcgctttct acttcagca caacaaatgc acctgctaca 240
ccaccaccaa cccgcaaaag aacgtttcct gggcagcgtc ttacgcccg aaggaagccc 300
gtaccctcag acccagagat aatggatctc cagaaacgac aacgcgagct acagtcacgc 360

ttgtcgagct tgcggtccga cctcgacact gttcagcaag ccctgaggat agagtcgtcc 420
 agtaacgacg aggaattgga ggtactgatt atgaagtgga agaaagttag ccaggatgca 480
 gcagaagagg tgttctcttg tgctcaggag cgaatttcgc gcatgggagg tgtcaaggcg 540
 tggcgggagc gaacgaataa taacgatgct cgggtgggagc aggaggagat ggagacctgg 600
 ttcggcaatg tggatgctga tgcacttgac atggatgagg atgaactgca ggcccgcaag 660
 gctgagctga gggaagagat ggagaggaag aatgtgaaag ggtctagtga tgattctgag 720
 gttgcttctc tcttcattct ctttatggta catgctaagc tgaactctcc aggagtttac 780
 tatggatatg atgctcaaga tgctcaacat tga 813

<210> 24283
 <211> 254
 <212> DNA
 <213> Aspergillus nidulans

<400> 24283
 tcaaagagcg ccttgaggcc gccaaacagg gctcaacgaa aggtcttccc ggcatggaca 60
 gcaacggcgg cttcagcttc gctggctccc gaatcgctaa gcctctccgt ggcgggcgcg 120
 gaggcaacga acctgtcgcg gccgtccagt cccaggatac aggcaccaag cgcacaagtt 180
 ggttttttga tagacgatga tccacgaatt ttcctctttt gttgtctatt ttatcccctt 240
 cctgcagata tcta 254

<210> 24284
 <211> 220
 <212> DNA
 <213> Aspergillus nidulans

<400> 24284
 cactcaaact gccgttgccg ccgccaaccg caaggagtcc cgtggtgccc acgcccgtga 60
 ggactacccc gaccgtgacg acgagaactg gatgaaacac actctcacat ggacagaaga 120
 gcctcacggc aaggctgaga tcggctaccg cagcgtcgtg cacaacaccc ttgacgagaa 180
 cgagtgcgaag cctgttcctc ccttcaagcg tgtctactaa 220

<210> 24285
 <211> 486
 <212> DNA

<213> Aspergillus nidulans

<400> 24285

ttccaagaaa gcttcaagcg cgtcccgaca agcagaatgc tgttcaacaa tgcctgcacc 60
gatattctcg ccattgcacg cgccatgcta gacggcgaac tcgagtatcg ccgcggcaat 120
tacgactctg cgttcactca cctccgcccgc tcaattgaac tagacgacaa tcttccctac 180
gacgaaccct ggggggtggat gcagcccaca cggcatgcct atggggcgct gttgctcgag 240
caaggaagag tcgaggaggc cgagggtgtg tatagtgctg atctaggcat ggatgatact 300
ctgcctaggg cactgcagca ccccaataac gtctggatcat tgcaagggtg gcatgaatgt 360
cttgtgagac ttggaagact cgcagaggcc aagattgtca agcagcagct aaagtttgtg 420
gctgctgcgg ctgatgttga ggttgatgct tcttgctttt gtcggaggac tgtggatgtg 480
ctttga 486

<210> 24286

<211> 744

<212> DNA

<213> Aspergillus nidulans

<400> 24286

accatgtcgc acttactagg cgtttaccac cgctcaaagc gcattgaagt ttctctgccg 60
atgccatatc gtgaaggcca ggtaaaattc tcgtccgcta cgatcaagag aggcaagatc 120
tctgggccgg tcgaactatt gtcaacgacg aacatgcttg catataatgc accagatctc 180
cactcggcat cgtcgtcctc cacctcgtct ttgcagtcac ctgatgactc ggatcgttcg 240
tttagccagc acagtttttc ctgcgcgctt actacacctg atgattctcc catcgaaccg 300
aatcctctgt cagggtatct tccaaaacgg tccgcaactg tgaccagcca tccgcgctct 360
tcatcatcga ctacgtcttc aaatgatgcc ccaatggttc ccaggcgtgc tctttctcac 420
accaagcggg accaccaaga gctggcgcgc cagcgttcct tgaagcgcac gtctcctccg 480
ccgagctcca gtagcaaccc agaacggcta gcttacgata cttatcatgc ggagcctcac 540
ccgttcggca aagagttgga gcagggtcaac gaagtggctg aggaatttgg aggcgcccct 600
ctgtttgacg aggaagagca gattctgcgc agaaaggac tcaagaaatt ttccgtgaat 660
gattatctag tggagattga agacctctat ggcagcatct tcaatgatcg gctgggccccg 720

atagcttcca catcgtggct atga

744

<210> 24287
<211> 520
<212> DNA
<213> Aspergillus nidulans

<400> 24287

agcgcgggac aaactatcaa gatggtgtct tatggcgctc ccctggttgg cctgatcgtc 60
agcggcactc tctacctaca tgtaagcgtt cgaaggaaac tgactttctc cattctctct 120
aatgcatatc acaatccacc aggtcgggtgc aaaatacgtc ttcgttcgca tcctcggtaa 180
aactttctac ctccagtcca acagcattat ccaactggggc acctggctag cttgcacaac 240
attgctcgga gcgctggcct ttatcctggc cgaatcgatc ccaatcttta attacctcat 300
tgactcgtc ggctcagtct gttttgcgcc gcttgcgatg agtcttcccg gactgctctg 360
gctgtatgac cacgggcact acaggaagga gtcgcttatg cagaaggctc tgtatttgct 420
gcatatcggc ctggttcttc ttggtgtctt ctccctgggt ggcgcgacgt atggagtcgt 480
caagcaaadc attgacgcct atgcgactgg acagatcggg 520

<210> 24288
<211> 1179
<212> DNA
<213> Aspergillus nidulans

<400> 24288

gaaaacaaac cacaaaatga agcagagata ctcttctctg gatgttcagg taagcgcttg 60
ctagaaacat tcgaaacaat gttccctaata tatgacacct gcaggtaata tccaaagaac 120
tggcctcaga actagttggc cttcgcgtgt cgaacatcta tgacctttca acagtatggt 180
gcataaacia atctgtccct attgcgaata atgaccctt ttcttaccta gagaatcttc 240
ctgttcaaag tcgccaaacc cgaccaccgc aaacaactga tcgttgactc tggtttccgc 300
tgccatgtga ctcaatactc gcgagcaaca gcagcaacgc cctccggctt cgtgagccgc 360
cttcgcaaat acctcaaate ccgccgcate acttcagtaa cccaaatcgg cactgaccgc 420
atcatcgact tcagcttcag cgatggcatg tatcacatgt tgctcgagtt cttcgcaagc 480
gggaacatca ttatcaccga ccgagactac acaattatcg cgcttcttcg tcaggtacca 540

ggtggtgagg gaatggagga agcaaaggtc ggtttgaagt acaccgtgac gaacaagcag 600
 aactacagcg gcattccgcc gatcacgca gaccgaattc gagagacgct ggagaaagcg 660
 aaggctcttt tcgcgagga aaacgacgca cccaagaagt cgaagaaaaa gactacagac 720
 gttctgcgta gggctctatc ccagggattc ccagaatacc caccgctcct actggatcat 780
 gcctttgcaa ctcgagccgc tgaccccgca atgccgctcg atcaggtcct gggcgatgca 840
 ggtcttattg atgtggtctt aggtgttcta gaggaggcac agaacgtaac caaggatttg 900
 tctgcggata aagcacatcc tgggtttatt gttgcgaagg aagatacacg tccaaagccg 960
 ccaggaccgg agtctgaaaa aaacgactcg cctcgaagc ctgctctact ctacgaagat 1020
 ttccatccat tcaagccgca acagtttgaa ggaaaggacg gtttcacat tttggaatac 1080
 ccttctatga atgcgacggt cgacgaatat tactcatcca tcgagtccca gaaactagaa 1140
 tcacgattga cggaacggga gagtcgctcc aagagagag 1179

<210> 24289
 <211> 444
 <212> DNA
 <213> Aspergillus nidulans

<400> 24289
 atgtcagcga actcgcgtga agctgtaaac taccgactac cgcggttaga gctccagaat 60
 gcctccttcc gacgacgagc atctgcacag ctctctggct caaaggcaca gagctgtagg 120
 tatgcttctg gtttcttgcc ccgacttgca aaaaagattg taccgatggc gcaacgcccc 180
 gggggtgagg ccgaacaata tattgcctac ggaatgaccc agagattatt cgaggcttgt 240
 tccaagcagg gggattacac gatcccgag ctgaaagaaa aaggggctca ggttcctaag 300
 accgaagctg gggaggatct ggggtgttga gagggatggt ggtataaagg tctgctttcc 360
 cctatgcagt tatttgacgt cgagccattg gcgctgacgt ctttaatacc agagttgggc 420
 cttgttccga cattctcgac atgg 444

<210> 24290
 <211> 741
 <212> DNA
 <213> Aspergillus nidulans

<400> 24290

cggccggttcg tttcaatcac cggccatgag actcatcaac ccggtactgc cgctaattgt 60
 tggcgctactt tcgctattta cagacagcgt actaggttaag ttttcgggac cattgtacga 120
 atcgcttcga ccatgcttac cagagatgaa gccagatcac agacgcctag cgctatccga 180
 cgagtttcct cccttgagca gccggcgatc agggctgccg gcagaacctt ccgcgttgac 240
 catctttcac attttgatat cacctttacg ataagagaca agaaacagcg gataaaactt 300
 gagctagaac cgaactatga tattattgcc gacgatgctt atgtgcagta tcttgagcgc 360
 gacggtaaag ttcataccga agagcctatc gcacgagaca aacacaaggc ctttaaaggc 420
 cgaaccttga taggacgagg aaaaggacaa gggatgtggg agcctgttgg gtggacgagg 480
 atatacgtga aagaagacgg acctcgccg ctctttgagg gtgtcttcaa tattcgcggc 540
 gacaaccacc atgttcaatt gcaatcgact tatcttcaga gaaagcgtcc tcaggatggt 600
 gacattccca gacaggacgg agagtatatg gtgttctacc gcgactcgga catgctacga 660
 gcagaaaccc ctgcacgtgt ggatctcaaa cggtcctgt ccacggacga ctcgcatgaa 720
 ctggaatcgc gctgggacat g 741

<210> 24291
 <211> 663
 <212> DNA
 <213> Aspergillus nidulans

<400> 24291
 atgcattctt caatcggaac aagtctcctg gtattcgcca gcatcttctt gggattggta 60
 cctgctctgg ctactcctga aagcggcaat gatgactttc ccgcaggcga taatgatatt 120
 atctcgctg atgttgccat tatcggcggc gggcctcgg ggacgtttgc tgcgggtccgt 180
 ctgcgggaac gaggaagac cgttgttctc attgagcgtg atgatcatct aggcggacat 240
 acgcacacat actacgactc tgacggcacg cctattgact acggcgtttg ggtatacagc 300
 gactaccccg tctccaggag tttcttcgct catttcaaca ttacattgac caccgaattc 360
 cttaacggaa accctgaagc aaccagcga gttgattttc gcacgggaca gcccgttgcc 420
 ccgcctgtcg gcaatgtcgt tgaggcaatg acgcgtaca ctcaaatact actccaatac 480
 ccttatctga tggacggatg ggatctccca tatcccgctg ccgaagatct gttgctatcg 540
 tttcaggatt tcatcgagaa gcatgatctt caagcagcca tagagacgct cgcgctgtat 600

atgcagggat ttggcgaaga ttacaggtc cccgccgttt acgtcatgaa agtattccat 660
ctg 663

<210> 24292
<211> 965
<212> DNA
<213> Aspergillus nidulans
<400> 24292

ccaccgaagc cttgaagatc ttccaccgtg ctgttgacaga ggggtgttgag cccacatcgt 60
tcttgtaaa tgctcttatt ggcaagctgg gcaaagcccg tcgtatcgat gattgcctcc 120
agtacttcgc cgagatgcgt gccacaatg tccgacctac cagtgtcacc tatggaacta 180
ttgtcaacgc actttgccgt gtttagcgatg aacgttttgc cgaggagatg tttgaagaga 240
tggaatccat gccaaattac aaaccccgtc ccgcacctta caactccatg attcaatatt 300
tcctcaacac aaaacgcgac cgcagcaagg ttttggccta ttacgagcgt atgctcagcc 360
gcaacatcaa gccgaccatg catacctaca agctccttat cgacgcgcat gcttctctag 420
aaccggttga tatggaggcc gctgaaaagg tactggagac tgtagggca tctggacaag 480
aaccggaagc cgtgcattat gcgtcgctca ttcattgtaa gggctgtgtg atgcgggata 540
tggaagctgc ccacgacgtg ttcaagtctg ctgtttcaaa cccaaggtt aacgtgcagc 600
cttgccctgta ccaggccctt ctgcaatcca tgggttgtaa ccgccaggtc gcgcagaccg 660
aaactgttgt tgaggacatg gtcaaacgta ggggtggagat gaccgcttac atcgccaaca 720
ccctcatcca cggatgggccc gccgaaggaa acatcaaaa ggcccaggct atttataaca 780
gtgtcgggat tgaaaaacgg gaaccaagta cgtacgaggc catgactcgt gcgttcttgg 840
ccgccgacga ccatgcgagc gcttctcgca cgggtgcagga gatgctctcc cgcgggtatc 900
ctacggccgt ggctcacaag attgccgatc ttgtgggcaa tgggtgcagtc acagccactc 960
tctaa 965

<210> 24293
<211> 657
<212> DNA
<213> Aspergillus nidulans
<400> 24293

ggctttcggg agacaagtct cgcaggggaac tcctgaagga agagctgggt gccgaacaag 240
 ctgccatagc tgaacagcaa gaagccagtg gccttggaga aagcatatac tcccaccacc 300
 agggtcgttt cttcaacagc tccacggata acctatccat ctctccacc gcttctccg 360
 catcaatcat gttacggaaa atgggcaaag ggatgaaacg atcgaccagg tctactagttg 420
 gcctattccg accaaaatca gtcattgcat cttcaccaga tgatataaca gcggagccaa 480
 tggcgccaca agtgtcgggtc gtgaatatcg aagcagaaag gaaaggcgtt gcggcaaagt 540
 cagatcctac ggatcttctt catggtggaa ccgtatttcc caagggtgat tccacggtcc 600
 ttcccgcttc tggccaggat gacctgacag aagcgctgca atcgcgtaaa agcattgtag 660
 gaggagatcg ggaacgcgca gaggtccttg cagctgtaag gaagggtatt ctcaagagta 720
 agttttacgt tctgaactac gacttttgca gagcaacctg ctaatgctgt gccatagaaa 780
 ccaactctga catagcacta tccgcagccg ctaagtccgg caatgttaca gagaatggca 840
 cggattcgcc acaatccagc gcgccaagta cacctgaaga tcaacctcgg acggggattc 900
 gacgcccgga cgcggtcaaa attgcccgtg aagatgaggt acctgaagcg aaaaatgggt 960
 cacttggacc accggcgggtg ccttcaaaga gcctcgtgtt cagccctcga attcagttcc 1020
 acgagacatg gccacgcggg gagtatgacc gccggggaga tatcgcgact tgcaaccgac 1080
 tctactccact actcgctcag cagattaagg aggagctgaa ttcgttcaag atgggttagct 1140
 attacatggt cctc 1154

<210> 24296
 <211> 1304
 <212> DNA
 <213> Aspergillus nidulans

<400> 24296

gttcttctcc ccgtgaatca ctgaagaagc cggatactgg agataaatct gcagttaagg 60
 gcacaccggt cttacgaatg gcgcttgaaa tgctctccgc cattgagcag atttctcccc 120
 gagtggccct ttcacttctc gacttcgtct ctaatgctca agaacattgg ccgtgggcaa 180
 cccccgagct caggaaacaa gccaaacttct tcacgagtct cgtgaactat gtctccaagc 240
 tgaatatatt atctctttcc agcattgagc aaattttcgc cacccgata gctgccgttg 300
 ttgccgatat ttgtgctgtt tatttacatt cggccaaaga ggcgaaggac cagaattttt 360

acaaaacgct gtttccgctg gtatcttggg acgcgaaggc cgctgttgaa gtctctggct 420
 ataatggctc cctacacgcc aacctcaaga gaaattttga gagcaggtat tcgggggtgta 480
 aactagacga ttttaagagg acgcctctgc tgccacggag tcttgggcga gagtattact 540
 acgatatcca gatgggcaaa aagctccttt cctatgattt tgctgtggaa gggccaaga 600
 accacggatt tgctgaggag tttagcgctg ctaatctcaa cttgtcgctt gttgaagccc 660
 aagtggatat tacaagactc tcgatttact ggataagatc taacagagtc ctttcgacag 720
 agccttttgc acagttggaa attccttgcc attgagcatt gcgcggactt catctctgag 780
 agcgaaatcc aaaagacgat agcatttggt gtcaagagct gcttagaggc aaatatgaat 840
 ggagtcccg caggaggccat cttcgagcga attcagcaaa cacgggtcga tttcgcacag 900
 aatctcctgc aacgcctcgt agaaaaagga tctaaggcg ttgaattctc cagccttctt 960
 cagtggtttt gggagtcatt acgaagtcgc cggcccacct atgaagatgc attgatcaac 1020
 gatgattccg aatactaccg gtcgcttttg aacacccttt tcttggcctt acagttccat 1080
 cttgatggcg gcgcgaaagc agcgcgcgaa ctctataact ccaaggcgga cccaacaccg 1140
 gacctggtca ttgttgttga aattgtgaag actgtggtag cacaaggttt caggtcactg 1200
 acctcatacc ttcacgagca gccagagaag tgcacaccaa aagactttgc catcataacc 1260
 gcaattttgc aaagctcact ccaagtgaag gatatcgatc ggat 1304

<210> 24297
 <211> 489
 <212> DNA
 <213> Aspergillus nidulans

<400> 24297
 atgccccccc tcaagctcaa cagcaagaac ctgcgcgcga tcctgaacgc cggcaagggc 60
 cagattaagg tccctaccta ccctcgcaat ggcgccgtca aggaaggtat tgtccatata 120
 ggcgtcggcg gcttccaccg agcccatttg gccgtctata tcgaccggct gatgcagaac 180
 cacggcgta ctgactatgc gatcgccggg gttggtctga ccccctttga caagaagatg 240
 cgcgatatcc tcaggtctca agaccacctc tacaccgtca tcgagcgatc ggccaagggc 300
 agcttcgcca acgtggctcg ctcgatcaac tcgttctctt ttgctcctga cgaccgag 360
 gccgtcgtcg ccaagatggc ccaccgggac acacacatcg tctccctgac tatcaccgaa 420

tccggctact actacaatga gaacacgcac gagctcgtaa gcgagcacc ggacatccag 480
 ttgacctc 489

<210> 24298
 <211> 833
 <212> DNA
 <213> Aspergillus nidulans

<400> 24298

atgtcgtaca ttgcgccaat tcacgcgcc agcagcattc ggcatgcatt gaagctgcat 60
 ttcttgaacg ctgaggacga gtgcctagta gttgcgtacg taccagaat ctgcgatga 120
 gaactctgga gccgcagatt agaggttctt tgctgacact ttgatattct acagaaaagc 180
 aaatcaactc gaattctact ccgtcacacc cgatgggctc gccctcgta catcatgctc 240
 gatattcgcc agagtaacga tgctagcatg tctccccgca cccgcaaact cgccgacaga 300
 ccacctcttc gtcggtacgg atcgctactc atacttcaca ctctcctggg atagtgcacg 360
 gaaccaagtc aggacggaga gggattatgt cgatatcgca gatccgtctt cccgcgatgc 420
 acgaacgggg agccggtgca tgatcgatcc aagcggccgg ttcatgacgc tggagatcta 480
 cgatggcatg atcgtggtaa tacctattat acaactgccg agcaagagga gaggcgaca 540
 ggtcgctttg cctactggtc ccgatgctcc gcgaattgga gagctgggtg aaccgatcat 600
 tactcggatt gatgagcttt tcgtgcgctc gtccgcttct ttgcatgtgc aagctgggtc 660
 gccgcggttg gcgctattgt acgaggacaa ccagaaaaag gtcaaaactca aggtccgtga 720
 gttgaagtac agcaccgcgg caggtgctga gtctgaattt acaagcattg cggattatgc 780
 gcaggaactg gaccttgggg catcccatct cataccagtt cctgtccac tcg 833

<210> 24299
 <211> 482
 <212> DNA
 <213> Aspergillus nidulans

<400> 24299

cagctcgcta tcctctcctt cctgacctcc tcgcagatct gcatgatgat caaacgtctc 60
 tacgtgcacg aaaagatcta cgacaagttc ctgcaaaaat ttgtcgcgtt tgtctccaac 120
 ttcaaggctg gcgcgggcac gcaggaaggc gtcttcatcg gccctgtgca gaacgagatg 180

cagtataaga aggccaagga cctcttctcc agcatcgagt ccgagaagct ctgcgctgtc 240
 ttgggcggca caatcaccgc gtctgacggc tactacatcg cgccaacgat catcgacaac 300
 ccgcccgaga gctcgcgcgt cgtgcaggag gaaccgtttg cgcctattct gccggtgtc 360
 aagtgggtccg acgaggacga cgtgattgcg cgtgccaacg gaaccgacag cgctctggca 420
 gcgagcgtct ggagtgtgga tatggagcgg gcgcagcgta ttgcggggca gctggccgga 480
 gg 482

<210> 24300
 <211> 1038
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24300

ccagcttgtc catgctgcag tatatgagct cggtatccat aaccatttcg cgaagcccaa 60
 gatgatggcg ttgtgcgtct acatggaaga aaaagaaaac gcaccgacc ctggccagtc 120
 cttggaggag cgccgcgcgg tcttggcacc gttcctcatc acatcaatgt attctctcct 180
 ctctgttcc acttctgctg ctgatctcca gaatctcgac tttcgtgcag aaaacggact 240
 cgttgcgctg gacccctttc atggccgact gcctgcgcca agtggaggag gagcgggaat 300
 gcatcaacga tgagatcctg gtccaacagg tccggttgca gaaatcaca gataatatca 360
 gcatgaccac cgggctcgcc tctacctcg actcaattca agtgccgcc gccttctatc 420
 tccgctctat gcacaacgag ctacagagca tccagccccg cgttgcggaa cagccacaag 480
 cgcatagtat gttttctctc attctcactt gctggatgtt tgccgctaaa catctcagaa 540
 atctccttc tccaccatca ctatactacc ctacgctcc acgaatccgc tcttaccaat 600
 tcccctataa ccaccacgac gctcgatttc cagcaactgg agcaccacta cgcttgtctc 660
 gaagccgcca aatcatgggt cgagctgttc ctctccatcc ctccggtgga gtacatcggc 720
 tttccgttct cgatttttgc gcagatggtc cacaatctag tcgttctgta ccaactttcc 780
 atttttgaga atccctcctg ggatgtcgcg accgtccgca aaacagtaga tgtgctcgcg 840
 gttctcgaga cggatgatccg gaacatggat gtggtagctg ccgcggccgg attagaaggc 900
 gagccggaga gtgatgtttt ctccgttgtc gcgaagatgt ataaatctgt gcaggttggg 960
 tgggaggtta atctggcgcc agctctgttc aatggagact ttccgttctc accgagcttt 1020

gaacagcatg tcgactaa

1038

<210> 24301
<211> 935
<212> DNA
<213> Aspergillus nidulans

<400> 24301

ggactggaga agcagaaagg cctggacccg gacaaagtga tcgataatgg caagccggca 60
gaggagggttc ggatgctggt gaccgaacaa gacgaagttc ctgtcgcgag tttttccgga 120
cccgtcggac ctgcgcttat gtcactctca tccagtccac gtttcattc acgcagtgtgta 180
tactcccaa gtaaataata ttcccaggga agaacacgcc ttctctgtcc accgtcatgt 240
cgtcggccgc caatcaacaa cggaaggctg agatactcgc caaaaaagct aagttggcag 300
agctaaaacg ccagagggag ttacgtcaaa aggagttctc tcagtctcgg gcaagtacag 360
gagatgcttc agaggtaagc actgttgccg cagtctcagt ctacgggctg aatattcata 420
ctgactgttc taggtcgtgt cgccagtacc tagccgttcc gacagtagag ctgagcttga 480
tgacctgatt tcccgtctcg ttgaccgtcc tggttcggcc gcggtgagcg gtgcagatgg 540
cctttcaagg aaaggaagcc ggccgaattc ggtgctgagt gccagccagc tcagcgggga 600
caacacagaa gactaagcc cgcccacgcg accactttca cagtccattg cagtgcagac 660
tgttggaact gagcccttcg tcgcatccc tgaactccag ccggcccctg aagccaaacc 720
agaagtcgtc acctacaaca aggggggtaca aacagatgac ctgcggcagg gagagcaaga 780
cgagcttct gtcgactccg atgctggaga gacccagat tttaaatcct cgagcaagaa 840
acagcgggag cgcgatgagg agattcgcaa aaagctccgt gaggagattg aggaggaatt 900
acgagccacc caggaaagtg ccaagaacga aagcg 935

<210> 24302
<211> 1201
<212> DNA
<213> Aspergillus nidulans

<400> 24302

atgcttgggc gagacggcga gcgtcatgag gggggaatcg agggagagca ccgtgctccc 60
gatgagagaa cgagctcct gccacgcgag cgcgagcagt atctgagtcc cgatgatcct 120

gccgtaggct catacatttc tgacttcatg atttacgggt gactgatgta gcttctcgac 180
 caggctctccc cctacaacct ctggagtgtc cgggctctgc gcggcctttc gaccgcattc 240
 ctcgcagtca gcttcatctg gtggacattt ctactcgtct ccctcttcgt cagtgcaccg 300
 gcactgcaca cgcgcggtac aggttttttc gcatttgcac ataccacgtt aacggttggc 360
 tacatcctgt tcgggctcct ctttttctcg gtcccgtaa agccaatgac ggtgtggggt 420
 ttcgtgcttg ctatattctt attcatcgat atgtgtataa cagtggccgt accatctatt 480
 cgcggtgaag aaggctgggt cggaattgcc agtgtagtat gggcattcct catggcactc 540
 tacaacatca tccagaaccg ctacgttgct tggggtaaag gcgaagagga agaacgcctg 600
 acaggccgcy aggaaccgct ctggacttta cgggaatggc ttgctgtcct gactgagact 660
 cttttcatgg ctcttatagc aatcatatcg atcctgttta tgataaact cgccctccgt 720
 gcgcgcgacg cgacccttca tgctcctggc cagaaatact gggtcagcgc gcacaactac 780
 caagtccacc tcgactgtgt tggcaattca tcttacagca actccccttc cacagtcctc 840
 ctcgaggctg gcgaaggccc cgtcagacac actctacaac cctttatcaa cgagctctat 900
 caaaagggcg ccatcccacg ctactgctac tgggacagac cgggtatggc ttggtccgac 960
 aacgcacat ctccccttc tgaggtatg gcctccgacg cactctccga agcgctggcc 1020
 ctggccggtg aagagggccc tttcgttctc ctctctgcag gcataggaag catatacagc 1080
 cgtatctttg caagccgcca cctccttgaa accaagggca tttttctcat tgacccttg 1140
 cacgaagact acctctccga tattgccagc ccaggccgcy gtttttggct ctggatccgt 1200
 g 1201

<210> 24303
 <211> 761
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24303

ctgctaaagg gagagcagtc cgagttggat cacgaagacg aacaggcaat catttggtca 60
 gcagccagtc tatacgggtg tgccggcgat accacagtta ttactcttac tacgttcacc 120
 ctagccatga tcctgtttcc cgatgtgcag cgcaaggctc aggaagagat cgaccgtgta 180
 gtcggaacc gcctgccagg ctttaaagac cgcgaaaagc tgccatatat caacgcgtta 240

gtcctagagg cgctgagatg gtggccaatt gcacccatgg gcttccctca cacagctctg 300
agggttttga atacaacggc ctttatatcc ccagggcgca tacctcctcc ggcagttggg 360
tggttcctac atgaccatca gtgtatgaca acccggaat attcgacca gaccgtttcc 420
ttgagccacg aaacgaaccc actcctatga ctgaggcctt tggttatggt cgaagaatct 480
gccctggccg gttcttcgcg gactcaagcc tcttcttgaa tattgcgcaa tcattggcag 540
tctttaactt caagaaggca gtgagcagtg acggcaaaga gattgagatc gacgttaagc 600
caaagccagg cctcctcacg tatccgacta agtttgattt ccgaatcgag ccgagaagcg 660
agaggcacat acagatgatc agagagctgg aacgacaaga ccctctggca gcgggcgatg 720
ctgagcacct ggagagtatc gacaatttcc agcccttgta g 761

<210> 24304
<211> 708
<212> DNA
<213> Aspergillus nidulans

<400> 24304
atggtcaaca gcctatctct agacacggac tctgttgccc ccgccgctca gccttcgcag 60
gctatggttg tcgccacgaa cgagaaaggc tccgaaaagc atgcaaacga gtatccattc 120
agctggaatg ctttctacat gtgcctgctt tttggtgcct tcatcgctc caacagtgct 180
tactcccag ctgcgtctct tccgcgtctc tctgaggaat accgcgcaga atctgcaaatt 240
gttctcaagg cagtgcctggc ttcgtcacca ccagagcttg cgcaatcgtc gtcgaaccag 300
cctcctgttt cttcgtccgt tgggttgctt ccacaaacca ttactggtgc tgagatggcg 360
cagatgacag ggtcagcacc gacatcgaac ctggacgagc ttcatgaaac tcttgcgatg 420
ccgaccaagg agcaagaaca ggagcaagct tttgctctca acgctgagca gtataattcg 480
ctcaccactt ttgatgaaac tggcgccggc tacaagtcac agcagccttc taatctacag 540
caggcattgg ctgcaatgag aggcaatgct gcgcaggcca ggacgcctct caaggctacc 600
tctgatgtct actcccggtc ccttctgtgg gatcgtgttc ctgaaaaggc gattcgcgac 660
ttccggcgaa tggccagga atacggcgcc cctgctgccc gagaataa 708

<210> 24305
<211> 573
<212> DNA

<213> Aspergillus nidulans

<400> 24305

atgccatcta cctacctcca gtccctccaa aaagacggct ttgtcggtat tccctcgctc 60
ctccccccgt cctctaagga atttgcaaac cttaaacaag ccgccataac tgcaacaact 120
attacccgaa ctggtgcttg gccttacttc cgcaccgttc ccaagcagtt tccaccgtgg 180
ccaacaaaacg tgccacctcc tgcctccgag ggcggaatat ggggggtgca gcacctcctg 240
caccgccgata tgccgggaag agaggacttt gcgaggttct atttcgacga cagaatctta 300
ggagttgttg aggaattgct tggcttggat tctgctggcg aagaagcaaa gaaggatgat 360
aacgagatgc tagtaatgga gctctttaac cttctcgctg caccggagac gcatgacttc 420
gcgctccggt ggcaccgtga cgatatacct gagaccgtat cgccagctga ggaggagaag 480
ctcctcgctg ctaagagccc tgggtggtaga cagtcacatg cgcaatacaa tcttgcctc 540
tgcgatgact cgtcgctaata cgtgattccg ggc 573

<210> 24306

<211> 374

<212> DNA

<213> Aspergillus nidulans

<400> 24306

acatcgcata tatctcaaag gtcgaaggca agaattggcg ccatggagat atcgaggaca 60
tgctcaagac tatcgcttc atcaagggtc ataatggac ctggaacatg gtcaagcggg 120
tgtacttttg aaactggttg agagattagt gagtgaatct cagttttcgt ttgttcgcca 180
aagtatggga ttatgctaata gttttgtgtt gcagctctca ggctatggac gtcggtaccc 240
tcaagagtct tcccgccgat actatacgca tccttgtctg gatcctttcg ttctgtcgt 300
ttggctatgc gacggctgag tttgaggtta cggtgacag gtcgggggtt taccggccag 360
aggagcatat tgag 374

<210> 24307

<211> 1267

<212> DNA

<213> Aspergillus nidulans

<400> 24307

agaacattgg tccccctgtc aagaccctct atgaacagat gcattcagtg cactcgttgt 60
gttcggttca tgaacgacgt tgctggcgcc cccgaacttg gaaccaccgg tagagggaac 120
gatatgcaaa ttggtacctt tctagagcag aatttggata cagagctctc tggaaacatc 180
attgatcttt gccccgttgg cgcgctgacc tccaaaccgt atgccttccg cgcgctccc 240
tgaggagctga agcataccga gtcgattgat gtacatgacg ctctgggctc caacgtccgg 300
atagataccc gtggaatgga agtgatgctg gtcttgcaa gactcaacga tgatatcaac 360
gaggaatgga ttaacgacaa atctcgtttt gcatgcatg gcctcaagac tcaacgactc 420
accactcctt tgattcgaca ggaagggaag tttgttcttg caacgtggga gcaagctctg 480
accgagattg catcggcata ccaaaagctt caactgaaag agaacgaatt caaagccatt 540
tctggtcacc ttgtggacgc ggaaaccatg gttgcatga aggacttggc taacaagctt 600
ggctctgata atcttgctt ggatcagccc ggtggtagct cgccaatcgc ccacggcgctc 660
gatatccgct caaattacct cttcaactct aagatctacg gcatcgaaga ggcggacgcc 720
atccttttgg tcgcgacgaa cctcgcgcac gaagcttccg ttctcaacgc tcgcattcgc 780
aagcagtacc ttgcgtctga tctcgaaatc ggtctcgtcg gggaagcttt cgaaagcaca 840
tttgactttg aacaccttgg ttcagacgtt gctgctctga aggccgccct gtcagggaac 900
tttggcacia agctggcttc cgccaagcga cccatgatta ttgtcggcag tgctgcggcc 960
gaacataagg attcgaaagc aatctttgag gcggttggtg gctttgtgga gaagcacgcc 1020
agcaacttca acacaccaga gtggcaaggt tataatgttc ttcagcgcg agcatcgct 1080
gctgcggcat acgaaatcgg cttcacgacc cctctcctg aggtagcaca aacaacgcct 1140
aagatgggtt ggctacttgg tgcagatgag attaaccaat cggaattcc tcgcaaagcg 1200
tttgtcattt accaagtaca tcacggtgat cgtggggctc aaatcgcgca tgttgttctc 1260
ccaggaa 1267

<210> 24308
<211> 1724
<212> DNA
<213> Aspergillus nidulans
<400> 24308

gcgcggacat cctccaagcg gtcaaccggg tggcgaacct gattgaggct caacagagag 60

ccgcattagg agctgctcaa caacgttcgg cgtggcgcg ttag

1724

<210> 24309

<211> 1805

<212> DNA

<213> Aspergillus nidulans

<400> 24309

caatttaagg ctatgattcg aagtgtccag ggagtcgacg cgctgcagga ggataccgtg 60
gataggggtc tcgttattaa ggtccaccgt gatctggagg aattggagtc gcgaaacaag 120
tacttatcga taacagcctc tgccaacaac ttgacatttt ctttcagctg cacatactca 180
ctccttcagc tgcgcatcgc catgggatca gatacaccac tacactcgcc acatgaaatg 240
ctcaatttta gcatctcgag gtcctcagcc gcagtgtctt ccccgcggtt gggaagactg 300
acgatcgcag gccgaaagcc catcttgacg cccactaca tccctctgac atcgcgaggg 360
gttgtccctc atctagcaca tgatgtgatg cgcgataata cctctattgg tagtctgtat 420
attggcctag aagattgtac gtgtcctgag attgaggaaa ggcgaaagca ggcatactga 480
caagtcaatg cccgcggggg ctcatatc agtcatagag aagcagcacc tgagtataa 540
aaagtcttca ctacctgggc cgggtgggtg atgtcccaac cgcacctcat gaatcggctt 600
tgcgcaagtt catttgtgcc gccgatgacc tgctcctggc tttcggcgca cgccgcaac 660
ctccaattgc ttctggaccg gcaaatacag acacgtcaat tgctgtactt acatcgggtg 720
gctatgcgca gctagaggcg aacgagtacg tcggagctat tcagcgctc agcccagaca 780
tcggggtcgg gctggcagat ctgctagtag gccagaagcc aggtacaaaa cagcgagtga 840
agatggtcga ccggacgcac gctttttacca cccatgcgac ggataacctc tacgggcccc 900
agctctctga acacagtcgg tcgacagcgg cgtattttgc cccgatattg cccgttgaga 960
acacccagca gcagctttac ettgaagatc tggaaacgga cttgcggcca tccattttctg 1020
gcctggcgct ctacgaacct acgtcgctct ctatcgctcc cgagtcgctg ggtgacctcc 1080
cgcgcttct tttcagcggg ccaagaactc cgcatgatct cctacgcgaa gttgagctcg 1140
gtgcagacct cctcagatc cgttttctgg ccgattcgtc ggatgcaggg atggctttca 1200
ccttctcctt tccgggtcca tcagataccg catcagcatc aaatccatcc accgaacccc 1260
ttcctctcgc tgatgatctt tggtcgcat caaatactac aaatactggc ccactaagtg 1320

aatcatgcg c ttgctatgct tgtcaaagcc atcatcgcg ctacattcac cacctcctct 1380
 ccgctaagga aatgctcgca tggacccttc tccaaattca caactattat actatggacc 1440
 tcttcttcgc taacgtccgt aagagcattg agcgcggtac attcgaggca gatgtccgca 1500
 cattccagca aacatacgtg gctgagtttc ctgagatcac ggggtcaaggg ccgaggtacg 1560
 ttcttcaga gcttgacaca atcatccact gtgtataacg acgtgtactg acagtatttg 1620
 gtctttacag actccgtggc tacaaaatcc ccacctcagg ccccgctcaa ccgcgccgta 1680
 atccaccagc ttatggaaga ctaaacgtcg ccgcgagaaa gttttagagag tcccagtctg 1740
 atcttgcaac ccctgatacg ggggctgagg ggtagaaga gcacgggttc gcggagaaaag 1800
 catag 1805

<210> 24310
 <211> 854
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24310

taactggtac actaggctgc ttgggtacgt cacttgtcaa aggactatcc tactcttgca 60
 ttccacgctt cgatcaacaa ctcttttgggt aaaggatctc ttatccaact cctgaggcaa 120
 ttttcatcac tccactccga ccgaaaacag atctcggttg gtttgatcgg ctatcctaac 180
 acaggaaagt cttcaataat caatactctc cgcaagaaga aggtgtgcac agttgtcct 240
 atccccggcg agaccaaagt ttggcagtac gtcactctga tgaagaggat ttacctcatc 300
 gactgtcctg gtgttgctcc gccgagtcag acggataccc cagaggatat tctcctccga 360
 ggtgttgctc gggttgacaa cgttgaaaac cctgagcagt atattccggc catattgaag 420
 cgcgtgcaac ccaagcatct tgagcgact cccggtatca aggaaacaag cgacgccatc 480
 gagtcatca gcattctagc caggaagggc ggtaggctcc ttcgtggagg atgaatcaag 540
 atctcgatgg cgttgctaag atggtgatca acgatttctc ccgaggcaag attccctggt 600
 ttactcccc tcctttcaca cctggtgagg agggtgagaa gattgaaggc cggaaggca 660
 gactcgggtga gatgggcaga aagcgcaaga ttgaggagac atctcaggat gcgagtgagg 720
 gtcaagaagg ccaagatcag tccgcttctg actccgagga agagtttggg ggattcgatg 780
 acgagcagga tgatagcgat aatgattcta ttgcaaact tgaagtcagc gatgaggaaa 840

<210> 24311
 <211> 2024
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 24311

atttaaagaa ccagagccca tcatgtcagt acatgcaaac ggaaagaccc ctactcaacc 60
 ttccagccag tccccctttc gtactcgcac cgacctcaa gatgcctgta aggcgctcct 120
 cgatcctctt ataccccgtt tcacccctgg gggcagccgc gtaaagattg gatcatcgac 180
 caccaggttt gatgaagggg gcgcacagat tgagggttc gctcgtccct tatggggtct 240
 tgctgccctt ctccggcgtg gttgtgatta tgcggaagcc tctcgatggc gcgatggctt 300
 catacaagga acagaccctg agagcccaga gtactggggg gacattgaag acatggacca 360
 acgcatggtg gagatgtgcc caatcggtt ctcactggcc gttgcaccgc atgtattctg 420
 gaatccattg accgacaaac agaaggagaa cgttgcgaag tggctagcaa gcattaatga 480
 acgagagatg ccgaacacaa attggtatgt agttcccaa gattacttta tggccgacgg 540
 cgctcacaga gaacaccgca tataggctat ggtttcgagt ctttgctaatt ctgggcctgc 600
 gaaagaacgg agcaccgtac tcacttgctc gtattgaggc tgatatggat cacttgata 660
 ctttccatgt aggcggaggt tggagcaatg acggcccaa gagccaccac cagatggatt 720
 attactcggg ttcgttcgca attcagtttc tgcagctgct ttattccaaa ttggccgcgg 780
 actttgacga gcctcgtgcg gaacgatacc gagcccgcg caaagaattc gcgctcgatt 840
 tcgtgtacta ttccgacct gatgggaggt cagtaccctt tggacggtcc atgacatacc 900
 gattcgcgat gggttggttt tggggtgcc tagcttttgc ggacgtcact cctcctgcgc 960
 cgctcacatg ggggatggtg aaaggcatct tgcttcggca tttccgctgg tgggccacgc 1020
 aggaagacat attcaataat gatggaactt tgaatctcgg gtactcgtac gccaacatgt 1080
 acctaaccga gaactacaac tccccgggct cccatactg gtgctgcttg tccttcgtgc 1140
 cgcttgctg gcccgatacg catcctttct gggcggccga ggaggaagcg tatccgtcac 1200
 tctcagcgg agcagccctc aaatatccca agcacatcat tgtacaccga ggaggacata 1260
 ccttccttct ttcacagga caagcttgcc actatccggt cagagcgatt caggcaaagt 1320

atgggaaatt cgcatacagt gcctctttcg gctattccgt gccaacccggg ggctatcagc 1380
 tggagcagca tgctcctgac agcatgctgg ccctttctga ggatggaggc gacatttggc 1440
 agacacggag ggtcgtggaa aatgcacgca tcgagtaccg cgagaatctg cctgttctga 1500
 tctcggaatg gcggccatgg acagatgttg tcgtcgaaac gttcttgatt cctcctgctg 1560
 aaggaagcga gaactggcac atccgcgctc atcgtgttcg gaccagtcgt gatctccaaa 1620
 gttcggaagg agcgtttgca atctatggat gccagagtag caacggccgt ttcctccaac 1680
 cttcaagga acccctcaac ccgctatctg aagggaactc agctgcaccc cacagtgcac 1740
 ttacggtttc ctcagcagga gctgtaggta ttgtggaact acaaccaagc acagatcgtg 1800
 cagggagggg ggtcttagcg gaccccaatt cgaaccttct tcaactgccgt actctgctgg 1860
 catccctagg tgctgacctg aaatcaggta cgcagacctg gtttgtgacg gccgtgcttg 1920
 ctttgccggc gcatgtgaat ggctatggcn caatactgaa gaatatctga tcgatagatg 1980
 gaataacggt cagatatttc ggggtgttaa tggaactgtg agag 2024

<210> 24312
 <211> 481
 <212> DNA
 <213> Aspergillus nidulans

<400> 24312
 atgctgcttt ccatcatctc attcacaacg ttggctctcc caagagctgc cgcagcgagc 60
 ccagaaaccg ccgcctctcg agccatcacg gcgaccgaag cgctccagac ttggtataac 120
 cggacgacgg ggatctggga cacctgtggc tgggtggaatg gagcgaattg tatgacaaca 180
 ctagcggatt tggctactct aaagttgaac gactcggtcg acggactcgc gaaagacgtg 240
 tttcagaaca cattttctgt cgcgcctaat tcgaaccctt accccgaaag agggattgat 300
 gccgactaca cgacagcgaa tggaacgtct tattctcaaa cgcttgataa aaaggtgcc 360
 actggtgccg cgaacgcgct gctgtggctc gacgggtcgt acgatgatga tgcgtgggtg 420
 ggactggcgt ggggtgctgc gtatgatgct accggtcaga cagactacct ggatcccttt 480
 a 481

<210> 24313
 <211> 411

<212> DNA
 <213> *Aspergillus nidulans*
 <400> 24313
 tggcaagccg ctgtagctga gcgccgcaga atactggatc ttctgattcc cacagactgg 60
 aaactgagcg gggagttcag agcttcgctt ccggcagacg gccgtctcct gcaggcagat 120
 cctgtgcgaa agagtgggat tctctcagag gatgagctgg acatcacgga gaactattca 180
 gcggggccagc ttcttcagcg actggcacgg ggtgacgta gctctttggc tgttacgaca 240
 gcgttttgca aaagggcggc aattgcgcag caactggtag gatgatgtgc cttgcgtaca 300
 ctgtgctgtt tctgactcgt acagacgtca tgtttgacgg agcatttctt cgcccaagcc 360
 attgagcgag cacggtacct tgatgagtat ctcaagcgcg aaggcaaggt t 411

<210> 24314
 <211> 1059
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 24314

atggcacaat ataccaaaac cctaagcccc gactccctgc aagacaaagt cctcgtcgtc 60
 acaggtacgc gtccagtgcc tgatactgca tcattactaa caggacaggg cggagcaaatt 120
 ggcataggag ccagcctcgt cgagtatgct gtccagaatg gcgcatctgt gtgcttcggg 180
 gacgtcagcg tacaggccgg cgaggagatt gcaaggacgg tgaaggccaa cgccccatcc 240
 tctcctaccc gcgcagtctt tgtccccacc gacgtgacaa agtacgactc cgttttggct 300
 ctcttcgaca gagcgatgga ggtcttcgga cgcacgacc atgcccgcgc aggcgcaggg 360
 atcgtcgaga ttgggaacgt ctttgatcca gcgctggata tgcagtctat ccgcgaggca 420
 agtcaacca gtcttcttaa tatcggtaga ggacaggta taacaaattg aaaatagcct 480
 ccaccacaa aggtcctcga tgtgaacctc ctcggtgtc tgtacacagc tcgcatcgcg 540
 agcgtgtatc tgcgccagaa ccgctcagag ccagaagcag accgctcgat tatcctcatt 600
 tcctcggagg cgggctttaa ggaatccccg ggctgtttg tctaccaagc ctccaagcac 660
 ggggagatcg gtctcatgcg cgcaactgca ctctacctc acggcccggc atccgcgcac 720
 aatatacgcg taaactgtat ttgtccgtgg atgacgacca cggagatggt caaggggtata 780

caggagggat ggatcaaagc tggcttgcca tgaactcccc atggatgcag caggaatacg 840
gcagctgact ggggagatgt aactcttaat gggaccctcg atgtatgttg agggcgaacg 900
ggcatgggag attgaggcga atatggatcg ccttgagcct ggctggctat ggagaagagc 960
ccagtaagtc cctatgcata ggggcaagca gagaagtggg tataggatgg tctgcgcat 1020
gtggatattg aggggtacca gcggtactat ttccggatn 1059

<210> 24315
<211> 321
<212> DNA
<213> Aspergillus nidulans

<400> 24315
atgcctccca ggctccaaat actccctctg catcttcgca gctctcttcc ccgaccctca 60
acgataccgc aaccatccca attgctgctc tccgttcagt cccaaaccgc caatgcacac 120
atcttagctt ccctctccga taaccggggg gcctacaaca agcgcatccg acgaggtcgc 180
ggccctgcct cgggcaaggg taagacttct ggaagaggtc ataagggtca agggcagcac 240
ggaaagggtc cggcgggctt caacggcggg cagacgcctg atattgtggt gcatggggag 300
aggggattca agaatatgta g 321

<210> 24316
<211> 531
<212> DNA
<213> Aspergillus nidulans

<400> 24316
gaccttgagg cgcacccagg agatacgatc aacaaggatga aagccgcac tgtacactct 60
taccgtaca agcccaacgt cgttctgatc aatgccggga ccaacgactg ccgcctcaac 120
aaccacatct ccaactgctgg agaccggatg aggtctttga tcgaggggtt cctgcacgca 180
ggagacaccg aactgggacc gctgatcgtc ctgtctacct tactaccatc aggacaacgc 240
aggaccgcaa agaacgtccc gcttgtgaac aaccagtacc gcgatctagt tcaggcgatg 300
cgcaaggaag gcgtttcgat taccctcgcg gagatgaatt cagaggactc cgacataaag 360
tatccggaag actatatgat cgacggcagg gtcgatagca cgcacccaa tgaccgggga 420
tacgaaaaga tggcgcgcat ctggtacgag gctattgtcg atgctgccg acaggacctc 480

attccccggc cggttgccat tgaagggagc tcgacgggcg catgtaagga a 531

<210> 24317
 <211> 577
 <212> DNA
 <213> Aspergillus nidulans

<400> 24317

acgaaggttg gtgtcaagat tttcaccgca gacattatct accacctgtt cgacgatttc 60
 accaagcaca tggccgaact gacggaacgc aagaaggaag aggccaagct gctcgccgtc 120
 ttccccctgtg ttcttaagac tgtcgccgtc tttaccaaga aggaccccat agtcatcggt 180
 gtccatgttg tcgagggtag cctccgtcta cacacgccta tcgccgccat caaaacaaac 240
 gcaacaacgg gtgctaagga agttgtcgaa ctcggtagag tgtaagtttt ccattcactt 300
 ttactttctc aataaacact aaaccatatg cagtgccggt atcgaacgtg accacaagcc 360
 tgtcaacgtt gtcaagcgag gccaacctc cgtcgccgtc aagatcgaag gcgccaatca 420
 gcccatgtac ggccgtcagc tcgaagagtc ggacacacta tactcccaga tttctcgtgc 480
 aagcatcgac accctcaagg agttctaccg gtcggatgtc tccatggatg aatgggctct 540
 tatcaagaag ctcaagcctg ttttcgatat cccttga 577

<210> 24318
 <211> 696
 <212> DNA
 <213> Aspergillus nidulans

<400> 24318

gaaagtctcg agctgctccg ctggctcccc aatgcattca acgactttat cccgtcctct 60
 ttggcatcga tagacctgta tcctgaacac ctgcgtaccg taatcgacgg tctgcactcc 120
 tggatcctcc cacatctctg cacgggcgtc taaaagccg gattcgcatc tgaccaagat 180
 caatataaca agaacgtgat ccccggtgtt ggagccctca acaaactcga gaagattgtc 240
 ttgccaacg gcgggcccgtt cattctcggc taccagatga ccgaagtaga tgtcacagtt 300
 tacgctacct tggtcagatt cgacactgtc tatgtccagc acttcaagtg caatctcggc 360
 acagttcggc atgattatcc cgtgctgaat aactggttga aggcgatgta ttgggatgtc 420
 cctgcggcga gggagagcac ggatttcagg catatcaagg agaacgtatg cccccctct 480

gacattgtcc gtctgttgcg acagtgggtga ggcttatgag gctgatggaa gcagtataca 540
aagagccatt atgatataca ccccaaggcc attacgccgc ttgggccgtg gccggacgtc 600
gaggaaggcg ttgagcggga ttggacgaag ctgacggttg gcggtgtcag tcatccagcg 660
gttttggagt ttgagaagga gttgaatgag gagtaa 696

<210> 24319
<211> 493
<212> DNA
<213> Aspergillus nidulans

<400> 24319

cgtaaagtcc tcattgttgg catgggcatt gccggcgtcg ctagtgcaact cgctcttgca 60
aaggaactcg gccccacga accgaatctt cagatcactc tcttcgagcg tcacgaagtc 120
cttccccct tgggtggagc attcactcat actccggttg cccatcggca tctggttagg 180
ctaggcgctc ttgacgaact agatcgccag ggtccagtcg gtggagcgga ggtctatgcc 240
attggactct tctccagtcg atcagcacgc tcgctcgggt cagtcgactt cgccgacggg 300
catgggaacg gcgtgaacgg gtacaagggg cggcgggtga tgcggatcgt tctgtctctg 360
gcgatgctgg cagtcctcga acgccagccc aacatcaaca tcgtttacgg aaagaaggtc 420
ggaggcgtat cagaaatgga cgggtcaaacg gtctcgatt tcgaagacaa gacttctgct 480
gcgggcgatc ttg 493

<210> 24320
<211> 1029
<212> DNA
<213> Aspergillus nidulans

<400> 24320

atgttagttg ccaatacctt tctctcctt cttgtacggt ttcaccaacg acctggcggt 60
cgactgcttg tctcgtctt cgctcgggtc cagaatcagc acttgtttcc tggaagtatc 120
gagaatcttg aaaaacatgt cctcgacgat cgtggactga tcaaattggtg gtgccgtgct 180
ctcgatccaa ttcttcgcga gtacgaacct gaatctgcct cccaggagca agacaagaaa 240
cacgaagagc catcgcgag ctcagcaacg gcatatctca tcgtgcctgg ttgcgacagg 300
tttgaaacta gaggtttctt ccctagtagc gccaaagcag acgataaaga ccggccccga 360

acggacggca agctcgtcga gctccccgca gcggaaca ggcgcgtcga cccacccgat 720
 tggaccgatg ccgtgccacg cgagaagtta gaaaacatga gcgttgagta caccaccta 780
 ctcaccagcc agctagaaag ccaacgcgcc tatttcgaag gcatactcga ggcgcgccgc 840
 gataaagcct cccaggccag t 861

<210> 24322
 <211> 337
 <212> DNA
 <213> Aspergillus nidulans

<400> 24322
 ctggcttgcc gagagtaact caacggcctc cacaggcaac aacgaagaga ctacatggcg 60
 aagcgactcg gatcaggaca ctgcttgat cgaatattct tgggaagaac cacttaatgt 120
 gtctcagctt gttatgaagc agcgcagctt tcgtaccgag agatacccta tcaaagtcag 180
 cgtgggtgac acgatcgatt tcgagggtac gactccact tcgcttgggt acgtgacgct 240
 tgatcttaat gcgacaatag gtgaaagtct gaagggtggc atggatgaaa acgacgacct 300
 aggggttatt gaagcagaga tctacactcc ggcttaa 337

<210> 24323
 <211> 1451
 <212> DNA
 <213> Aspergillus nidulans

<400> 24323
 gtctcgaccg tcaccgcgcc cgcaagtctg accggttga catcgcgctt cttggatggc 60
 agcctgcata tgttcttcga gaagattatc cccatgttcc ctatcttcca tcgtccaacc 120
 ttcgttttcc gagactgtgc tccccgctt ctctaaatg ccattgcact cggagctcta 180
 ttcctcggtg gcgcggatgc cgtcgccaag gttcgttctt caagctgttg caacacgcaa 240
 ctaacatttc caggctgaag tactttggcg cttgtcacat actgctgtag caacttcagt 300
 gcatactatg attacttggc gacgcacgtc agactcctgc gcaggcgtcg agctagtgca 360
 gacagttttg ctcagccaga ttacgccgc tatgtccaaa gtgtgtacct ttattagaaa 420
 tgctcaatgc ttctctgaca cgatctagaa caggaccttc cgcaccacaa gccaggctctt 480
 tcatggcttg ggtatacatt gggctagtca ttgtggaatg tacgacgcgg caaacatggt 540

gacttttgcca atgccaaccg acagtcaaag tgtaaaatgt aaagcatggg atcgatggat 600
 cgcacaagag acgatgctac gaacgcttct tggactctat atcgtagacg gagggtgctc 660
 acagtttagc ggcaatccaa cctttgctcg acacacggca aacctcttg cgctgccaag 720
 ttgtgatgca gtattcaatg cctcatcggc tgacgactgg atccatctga tgcagaaata 780
 tcccgctaca ccaatcaggt tctgtgatat ctacaacgac ctttttcaag aaaccaagc 840
 tagctcgagc agacctttgc tctacgatgt ctccctgttt caccataagg tcgtccttga 900
 gggcatcaga tggttggtca ctgaaatgaa cgggacaaat cccctcccg tcggtgtgcc 960
 gtcgaggcaa gatctgatgt ctgccctgcg agagctgcgc caacatatcc ttaacagtaa 1020
 acgcctcagc cccactgacg ggctcactgc gctgcttcag tggcactcca ttgctcttga 1080
 tacagtagtc agcaccgcac gtggaactag acggatgtgc catttgctcg gtatagggca 1140
 gagtatattt ggcggcagcc aacgcgagga gggccagatc aaccaactc gttgggcgca 1200
 gagcgccgct gggcgagcga cattgctgca cgcgatcaac atacagacca ttgcggccca 1260
 gttaccctt ggtatggcat atgatatcaa catcccaggt gccgttttcg cagctgcgac 1320
 gacatactcg tcgttcaccc tcgcaggggt gtcgaagatt gtttatccag ccgcataga 1380
 ctgggacacg gttctaacga cgtttccgct ggacgtgagg agaccgacag gcagtgaag 1440
 caccatgcag t 1451

<210> 24324
 <211> 693
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24324

gctgttctgc ccgctgcaac ctctgggacg gagcaaccgt aatctgtccc aagtgtggcc 60
 cctactcaga aaccgggtac tgctcgcgcg cccatctgct acaggatatt aaggcacact 120
 ggacgatatg cggacaggct gttttcacgt atccatgcaa ggaatccacc attccgagag 180
 acgttaggga ggctccgccc ttgattccgt gtctgtatgg ttttgatact ccgagcgcc 240
 accggcaggc cgtacacttc aatatgaacc accgtgaggg ggattacttc attttcagt 300
 actgggtgga catggtgaat aagggggcgc tgaagaagag tgataacgac aaggagaag 360
 tgaagctaag gtgttcaagt aggattatcc atgttgtgcg ctttgaggat gccaggagc 420

<400> 24327
 ggtgtcgcca agcccctgtc tttttacgtg gacacctacg gcacctctga gaagacctct 60
 gaggagctcg tccagatcat ccgcaacaac tttgacctcc gccccggtgt catcgctccgt 120
 gagcttgacc tggccaagcc catctacttt gagactgctc agaacggcca cttcaccaac 180
 cagaagtctc cctgggagca gcccaaggcc cttaagtctt aa 222

<210> 24328
 <211> 434
 <212> DNA
 <213> Aspergillus nidulans

<400> 24328
 cccttgcaac tctgtcctc atcgaccgcg gccaaactgca ccctgacgac cctgtcgcca 60
 agtactggcc tgcctttgac actccggata aacgcgggggt cctcgctccgg cacttttctca 120
 gccatacctc agcccttcca gcggtgggacc cgccaatcca ggcatctgag ttgttcacaa 180
 aactgctct tgcgacggag aagctcgctc cccaagagcc ttggtgggag cccggcaccg 240
 catcgggata ccacctcgtc tctcagggcc tgttactcgg cgagctagtg caccgcatct 300
 ccggaaaacc actcccgcaa tttatcgccg acgagctggc cggtcactc aatgcagact 360
 tccacctggg cttgcagaac gagagcgaat ggggccgcat cgccataatg gagcctccac 420
 ctccatttcc ggct 434

<210> 24329
 <211> 1420
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24329

aaggttatgg catacactag tcgtgtctac atgaaaaaag tatctctcac gtccattggc 60
 gtcaactcgc aactatgccc ccacgtctcc agaagtgggt aatagccgag ctggtcgctc 120
 ataaaacgct ataacggctt cctcccctgt gatcattcct ttccaaatca cccaccatct 180
 tctcancctc aacaggatgc cactcaaact gaaagccgtt tactccagac aaaacnnccc 240
 gacttgcaac tttcgcaagt cggaggagta caggtaacac gcacaaaagg cattgtcanc 300
 atgtactcan acctctcgcg gctgcagcag gacagaagat cctgagtcag ggtggaaatg 360

ctgcagtatg ttgccctcta gacctttcat agtacatttg atagctaatag aacgcaggat 420
gcagcgggtg cagttggtat gcatacctaa tgtagcgtaa gctcgtagct aacgagtga 480
gccgcggccc tgaacgttac ggagccctca tccacaggaa tcggcggaga catgttctgc 540
ctctattatg acgcggcgac caaaaagatc cattctctca atggctctgg ccggtacccc 600
ggcgccgcaa ctcttgagaa gattagagca gacctgcaag ctaagccgga tgaagcgggt 660
ggaattccca tgcatagccc gctcgccgtc acggtccccg gcgcagcagc aggatgggta 720
gacaccgtcg agaagttcgg cagcggcaag ctttcccttg agcagattct cagtccggcc 780
attgagctgg cagaggaggg gtttgagtc tccgagcttg cgtcttactt tgtgagtaca 840
aggtattcac tgcttacgaa tactaacgga cccagtggca cgaaagcgag agcctcttgc 900
gcaaagcgtc tcccaactca catgagatgc ttaaagcaga cccgaagca caagacggct 960
accgcagccc tctccctgga gagattctca agaaccacac catggcgagc acgttccggt 1020
ctcttgagc caacggcaaa aagggtttt acgagggccg cgtcgcgag gagattgtca 1080
acgtcatcca gtctctcggc gggtagatga cactggacga cctcaaagcg cacgcagaaa 1140
caggctcgca ggagactgaa gccatctcgc tcaagttcag cgggcaaac ataacggaca 1200
aacaacagc cggctcagac ggcgaaacta accaaggcgt cgagatctgg gagcaccac 1260
cgaacggta ggggattgta gcaactatgg cgctgggcat tctccaggaa cttgagaaga 1320
ccggcaaat ccggtacttc actgagaaac atcataacag cgccgagttc ttccatgcca 1380
tcacgagtc cttgcccatc gtctttgcag acgccttctg 1420

<210> 24330
<211> 354
<212> DNA
<213> Aspergillus nidulans

<400> 24330

cttcaacgca ccattgcaa tgtccttggc ccgaaaagct attctgccga agatgctgca 60
gctggagctg cagccgatgg tgccgtcatt gtcgaggaga tcggcgatgt tgacgctgtt 120
gaggaagttg cgcaagccta cgctgctctg aaaagcgtac atgtgctgga tgtttcacc 180
acaggaaccc agaactggat tacagcagag attgcctata atgagcgac gtccccgggtg 240
gagaattcca ttattgccc cctgcgtgac cgtcttgcta cggcaaagaa tgctaatag 300

atgctccggg ccttctccaa cttcagtgc ctccttggtc cgcccaagat cagg 354

<210> 24331
<211> 521
<212> DNA
<213> Aspergillus nidulans

<400> 24331

gagccggcgg caaaggcggc ccttcacgta ccattgccgt tgacgaagtc gccgccaaag 60
cattcatctc cgcttcctat gcgcacccgc gcgtcaagaa attcctcctc gtctcgtgga 120
tcgggtcgcg acgcacaaaa ccttcctggt tcaactgacgc agattggagc cacagccgta 180
acgtatttga caatgtcctt cccacctacg caaaggcaaa actcgaagca gacgagttct 240
tgactgcaca tgcggctgtg cgggacagac tatctgctgc tggaaaagcg agtaggcttg 300
acgcgatttg tctaaggccg ggtctgttga ccgatgagcc ggcgacggga aagggttacgt 360
tggggaagac gaagagcgag ggggaaggtct caaggagaaa cgtggcgagg gttgcggatg 420
cgttactggc gaaggagggg agtaagggct gggttgattt gctagatggt gaggaggaga 480
taggggacgc gggtgagagg gttgtgagag aagggggttga t 521

<210> 24332
<211> 1300
<212> DNA
<213> Aspergillus nidulans

<400> 24332

aatctcgcat cccgcacgtt tgacccgggt gcgacagcag acagttttcg cgaggaatgg 60
tcgaatccgt caaattatgc ctttaccatt cttctgctca tcggcgggga tctaattccat 120
cgcgctctcg cgcagcttgt cggcggaccg attgcgccag ttgcattctc atttggtgcy 180
tctcgattcc agtcctgcgc aataatacac ctgatatttg ctggattgct aaatgatagc 240
aggatgggtc tcctacgcaa cctccgctgt gtgctctgcc ctcggcgagt accgcctcat 300
gcccgcgcga gatacagggg gcagtcttat taacgggaaa aacggctacg tccgcggtaa 360
caacagctgg gtccttggcc ggatgatgcy cgactacgac tactggatgc atccggcgat 420
tcgcgaaaag acacagaact tgatcgacgc ccgctggaaa ttcgaccaag cacgcgaaga 480
tgagaagtac cctgattctg gcattaaggt gccacggccg tcgcaggcag gattggtcgt 540

cagtgtatat aaaccaagca agacgcttca ggcgggcgctc ccgggcaagg acctgctcta 600
 ctggctctggc atactgtgta cgggtgctaca gctggggatt gctagtatcc ccgctggaat 660
 caatggggac tggggtgtgc tgatgatcac tggcgcggcg acggtgttat gctatggaac 720
 cggggccttg acacagtgga aggtcgagaa gtgggcttgc cgacggctgg ataatcgaaa 780
 caagaagaat tttgtgctga cgagggggaa tggagcgcag catgctatcg cgatcgtgtc 840
 ggatggcgctc gggctcgatc tcgaggattt ggcgacgggg ttcagcatga tagactaccc 900
 gactattact gttgtggcac agcttctgac gatcgtgctg ggtattgcct gggttgcgtt 960
 gctgatcacg gctagcggaa tcgataccgg gagctggtat cttatcgccg tcgggggaat 1020
 tggaatgctg cagaatatct ttgttgctgg gtggaagagg accccggccg cgtatggtgt 1080
 tccactggag tttgtggagg tcgtagggga ggtcaagggt atggggacgc tgatggagct 1140
 ggagaggaga tacgaaaagc tggggaagag tctgttgggt actttcttcc cgggcgatct 1200
 gagggataac gaagtcaaac agtgggagga gatcaaggag gagtggaaga ggaagaagga 1260
 gaggggagag ggagctggag acgacaggaa ggggaagtag 1300

<210> 24333
 <211> 1044
 <212> DNA
 <213> Aspergillus nidulans

<400> 24333
 atgaaagctg cgaagaaatt taaaagcctt cttggcccga ctcgagcttc tacaccata 60
 caaagtatcc tcggccaaga atacgagacg cactttgtgg aacctcctac gcaaattgat 120
 cctgaggaga gcgtatcctt gcctagtcct ttaccataca aaaaaacca aagtttgaac 180
 acttataacc ggagagcttg ggagcgtgac gatgttggtt aaggatatca cccgcagcgg 240
 cgggaagctc tcccttgtcc tgcgccagag agcggcgaat cgggttctgc gtacagctct 300
 attttaaaca gaccaacaag gaaagattcc ggctcaatac gaagtgtcaa aattagggac 360
 gaccaatcg acgatttgca gtcacagtca tcgcagatcc cgctctcacg cactagctcg 420
 acgaccacca aacgcagcat agaaggcaca cgaggacacg cacgagatcc cctggaagaa 480
 gactgcccac tcttattcat cggaccttcc actttcactg gttcagcccc gatagacatc 540
 aacagcaccg acgtatcccc caagccccta aattcaaacg tccaatggt tggggccgag 600

acagatccca cagaacctga ctatcctgtc gtgagcgaat caccaggcgc cgccgacttc 660
gatatatacg aaacggcgta ccgacaggaa attgagcgca ttcgagcaga tacccttcca 720
ggaaaagaag gcaagggcag cgtacccatg gtttacttga ctcgccgtgt agatgggaaa 780
gacgagttga tgaaactagt aagagagacc accatgagcg agccggccct tggaattggg 840
gctaaagtcg ctgtccctca agacagcggc ttccgctctg cagtttagcat tatcaggact 900
cagttggagc agggaagaca tgagaggcag caacagcaaa gccgggagct gggggtccct 960
aaacgtgtcg gaaacttcag acgtcgagac ttcattctcg acccaagagg gagctacagc 1020
gttcaccgcc gcaactggca ctga 1044

<210> 24334
<211> 1175
<212> DNA
<213> Aspergillus nidulans

<400> 24334
gcatatcaac aatcgcgggc cccgaaaaca cggttcagga ctcggggtgt atcacgccga 60
attcgatgtg gagttgtgcg ctgccgaagg agcagcagga cgctaatgaa ccttatgcaa 120
ccaatcagcc gaatttccgt gttgagatcc ggtttcagaa tgggacgtac gatcatagta 180
cgacattggc atcacggtcg atccatcgca gaagcgcgta ccagctgttt aaccctaacc 240
cggatccacc aagtgtagaa gaacaagcgt tcctgggcca gtatacggat aagacgtcta 300
gcccgatatgc aggcgaagag acgcccttct acatcactgt tctttcggcg gaatatctat 360
cctcttcgtc atcttcccaa tatagcaaac gcgacaacga cacatcaaca acgaacaaca 420
catccacctt cccagacgta acctcgctaa tcccttctcc atcaaaagcc agcgacggta 480
ccgctgcccc cgcaaccctc taccgcttc cctcttcgca accagtccgt ctctataacc 540
gcggcaagaa agacgagcac tacggcttct acacatactt tgacagatcc atctttctgt 600
cctcctcagc cgctctcaca ggaataaaaag agaataacaa taacgacaca gatggcggat 660
ccaccaagga agatgcttcc gtgcgctgta catgggcaca aacgcgtttt ctcgttcaga 720
tctggacaaa gggtgacgaa ttagggcgaa gtgtgtttgc acgctctgtc aacagcacca 780
ccagtacaag cgccaactca acgtcttcat ctccatcaac cgcggtctcc tccgcgacag 840
acttcacccg ccccggtccc ttcccctacc caataagcat aacactcgat cgacacggcg 900

ggaatgtcga aaagaagaat ctctactgct acggtctgga agaaaatgca cggtataacg 960
 cctcggcagt caaactgcaa ctggaggacc gtgctgga cgggaaaatt gtgaatcgag 1020
 cgctgggat ctttaattta gggctggcga attcaactaa tgacgaggca tatcagaata 1080
 aggattatgg tggttatgat ggtgggatgg gtgggtgtaa gtgtcagtgg gttaattggg 1140
 ttggggctgt ttaatagggt tcagctctta tccgc 1175

<210> 24335
 <211> 540
 <212> DNA
 <213> Aspergillus nidulans

<400> 24335
 atggctgcc tggagaagcg acagaatcac aatacaatta atgtcccgtc gaactttaag 60
 ccgccgcctc gcgttacgct gacggataac aaacgagaag cttggctccg tgacctcgcc 120
 aatccctctg tgccgttgcg caggctgagt cgcacgattc ctcattggtat ccgtggcaag 180
 aatcttcttg atcagtgctt aagcaaattg attccggtaa accgagccgt atggcttggt 240
 aaatgtgtcg gtgccaacga gattcgagct tgcaagagaa agggtagcgg cggcacgttg 300
 gtggtaggat ccgaggtaaa atgggttcgc gactggacga gcggcgtaca gcagttcctt 360
 gaaggagtaa taggagcctg cggatctgca gactggaaat cgaaaatgac ttacgcgtac 420
 gtctcccatg tgtgtagaag acatttctaa catcttgag aaccagcctg acagctcgcc 480
 tattctttga gcgtctactt gatcacgacc agtactttgc ttggtttcta acctctttgg 540

<210> 24336
 <211> 444
 <212> DNA
 <213> Aspergillus nidulans

<400> 24336
 atggccgcca acatcaacaa cgccgccgcc tggctgactg aagccaaggc gcaccctttc 60
 caagttaagg aggcgccttc ttacacgcct gaggagaacg agatcctggt taagaaccat 120
 gctgtggcca ttaaccagct cgacggcagc ctgcaatcca aggcctggtg gcctatgaac 180
 tatccgacca ttctgggcca ggatgtcgcc ggcgaggtcg tgcaggtcgg cccaaatgtc 240
 gcccgcttcc agccgggcca ccgcgtggtt ggccatgccg tgggcatggc taccaagcgc 300

cttcaagata atgccttcca agcctacact attctccaga caaacatggc cagccagctc 360
cccagcgaga tctcctacga agacgcggcc gtgctgcctc tgggcctctc cactgccgcc 420
ttgggtcttt tcaggacgag ttcc 444

<210> 24337
<211> 273
<212> DNA
<213> Aspergillus nidulans

<400> 24337
atgcaaaacta gcggtttcac aaatactcct ctcaccaagg ccctgctcat ctacacaatc 60
gcttcctcaa tcgcgctctc catcttcgac atcaaacatt tcgcctccat ttacatctcc 120
ccccatctct ttcctacgg gcagttctgg cgctgcctgg tatggcaggc tgccgggttc 180
gcaaactcta cggaggccct gttcgccgcg ctgctcgttt atcattgccg ggttggtgag 240
cgggggtggg gtgctcggaa ggttgctgta cgt 273

<210> 24338
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 24338
gatctcgact gggaagagca ggcataag atattcaaac actttgggtt gtcccaaaag 60
gatgagccag ccgaaaatgc agggccgtca tttggacgtt cgacaaggcc atccaatcag 120
tttgggcctg cggcgactca tgggtgttct cgaaggagcg tcttcggtcg atcaggcttt 180
gagaagtcag tcattggaac cccgggaacc ggaaaatcga gccatcagct tttcgacgac 240
ccgatggagc gtaccgacgg ccctaacact cagagtctgg accttcgatt ccttcgtgaa 300
aaaatgggtt attatgcgga caaagttcag tcgttgaatt ccgctaggct ccaagcacgt 360
agctttccga tcttccatga gttttccgag gttgaaaaac acgctggcgg tgatgtaagt 420
aactataca 429

<210> 24339
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 24339

tttgtcgtcg acggcaactg gactaccgat aaccgattac ctcaagagga cgacggcagc 60

agtaacatca acaacatcct ctatccggat cagatccaag cggattcagt cgcggcacta 120

cagaacggtg cgcaagacat ggctactgtc tctggtgtaa cacctaacgc gacaaccgcc 180

ggattagctg gtggtgtctc caaggagagc aacttggccc ccggatcgac aacggcgggg 240

ctggacaagg acgtccctct tgagcagagg gctaattgtc ctggagagtt ccctgcagac 300

acgcccttgt ctgagtactc ggtaaaccct atcccagcct atagcggcat tggcaatccc 360

atccatctaa agccgggaga gaaagtccca gatcctagca cattcaatgc aaacactgtg 420

cagtcaact 429

<210> 24340

<211> 615

<212> DNA

<213> Aspergillus nidulans

<400> 24340

aagaaagtcc tagacgtcct cgtaagacca ctaggcgaag tcttagacct caactctcgt 60

ttttccggcg tcttccttga gcattacaca aatgcgcttc catacagcac tgcccctaca 120

aaatcctccg caccatcttc gtcttcgccc tcgcaacttc aacttgtctc ttctcctgcc 180

gcagcccgta ccctcctctt caacctcctt accccatcca ccccgcttat cggccacgca 240

attgacaacg acctcaacgc ctgccgcata atccaccaa ctgtgatcga caccgcaatt 300

ctctaccgcg atccggggcg cgggttaccg tatcgaatga gcttgcgcac gctcgcgaag 360

aagcatctag accgcgagat ccagactggg ggcgcgagtg gtaagcaggg acatgattcg 420

gttgaggatg cgctgggtac gggggatctc gtaaggggta aggcgggact ggtttgggga 480

aggttgaagg agaaggggtg gattgttgaa gagggaagac ttgtggcgcc ggactccagc 540

tcaaacacgg tgtcaatgca gacgaagctt ggggagggtg ccggggcgaa gagggctagg 600

gaagggacta gttaa 615

<210> 24341

<211> 573

<212> DNA

<213> Aspergillus nidulans

<400> 24341
atgcctcgcg aaaacccaaa acgaggtcgt cgtgcgaccg aaaaagccaa aaaggaagca 60
tccaaacgga agcgcgacga aggaattgaa gaaccaacgc ttaagcgatt aaagccctca 120
gcgacgagg acaacgcagt caccgccggc gcagactacg tacctctcga aggagaggaa 180
tacgatgacc aatatgacgac gggagcggca gatgaaatgc ctttctacgg tctgcttgac 240
tccgaagaac aggaatatct cagcagagcg aatgagatgc tagagctgaa ccaattcggg 300
gacgccgagg agcgcagatt atttgtagac agtgtgtttc gggaggctag ggggaaggaa 360
ttgaaaatcg cttgcagtca gtcgtgctcg cgactcatgg agaagttgat atcagtttcg 420
gatattcatc agatctggag gttgtttaac aagttcattg gacatttctt gacgctcgta 480
cagcatcggg ttgcgagtca ttgttgcgag agattgttca tcagcgccggc accaggtgtg 540
acgcagaagg cgtcgaaaac aaagtcaaaa aaa 573

<210> 24342
<211> 612
<212> DNA
<213> Aspergillus nidulans

<400> 24342
gtgctcggca gattcatgct cgggtctcgcg gtgggtgcaa agtctaccac gacgccggtc 60
tatgcatcgg agtgcgctcc tacagctatc cgcggtgctc ttgcaatgca gtggcagaca 120
tggactgctt ttggaatcat gctgggtgag tgctcctcga tgacgttggg gtggaattaa 180
gatgttgact gtattaggtt atatctcgtc tgtagcgttc atgaatgtcc agagtgcac 240
gctccaaggc ctcaattgga gattgatgtt tggagtcacc gctatcccgt cagtatctct 300
gcagagaccc gggttcatct cttctctggt cctaacgttc acaggcccat gcttgtgtgt 360
gcccagggtct acttctgccc cgagtcgccc aggtggtata tgatccggaa tcgttaccac 420
gctgcatacg atgccctctg caagctgcgt ccatcgaagt tccaagcggc gcgggacctc 480
tactacatcc atgcagcact gcaagttgag gagaaactcc gtgagggcaa acagctctgg 540
cgggagatgt tcaccgtccc gagaaaccga cgtgcagcac agtcttcctt cttcgtcatg 600
ttcatgcagc ag 612

<210> 24343
 <211> 780
 <212> DNA
 <213> Aspergillus nidulans

<400> 24343

atggcccgca agacacttcg ggagccagcc attgtttctg cccttgccct ctgctatgct 60
 cgcttgacc agctcgcaga acttgaagat ttctgcggt caaccaacgt tgctgacatt 120
 gaagcttccg gtgacaaagc ttatgaggag ggctaccacc aggctgcaa gatcttctac 180
 accagcatct ctaactgggc taaattggcc accactttgg tacatctgga agactaccaa 240
 gcggccgttg agtgtgccc taaggccaac agcgtcaagg tttggaagca ggtcaaccag 300
 gcatgcgttg acaagaagga gttccgcctt gccagatct gtggtctcaa tctcattgtg 360
 cacgcggagg agttgcaaga ccttgttcga cagtatgagc gcaacgggta ctttgatgag 420
 ctgattgctg tgcttgaagc tgggtctggga ctggagcggg cacacatggg aatgttcacc 480
 gaactgggta ttgctctatc caaataccac cctgatcgtg tcatggagca tctcaagctc 540
 ttctggtctc gtatcaacat tcccaagatg atccgggcct gcgaggaggc taacctatgg 600
 ccggagcttg ttttctgta ctgccactac gacgaatggg acaataccgc ccttgcgatg 660
 atggagcgtg ctgctgatgc ttgggagcat cactctttca aggacatcgt cgtaagggtt 720
 gctaacctgg aaatatacga ccgtgcctc aaaaaaac tgcaagagcg tccgcggctc 780

<210> 24344
 <211> 1047
 <212> DNA
 <213> Aspergillus nidulans

<400> 24344

gccatggcta cagtgaatcc caaagactcc atgaaatcca catggcgtga tggcaaccgg 60
 gatgaatgga acttctatca ccatatcatc gacttcttaa atgtctacca cgtcgaccgt 120
 gatcgcgagg tgccggtgca ctcaaaggac gataagatac cctacgtacc tcagtgggtct 180
 ctacaccgct ttgtgctcat ctattcggcg gttcctctcc tcatacatca ggtcttttca 240
 tcttatactg gttacaccct cggtcctttc gccgccttca atttctatct cttecgctttc 300
 aatgcgatta tcatctatga agtgcatatt ctccgcagac tgggccacaa gtggggcctt 360
 ctggatggcg acaagcacga gcgtgacggt attcccgatg tgggcattgc aaaggttgtc 420

cagtctctct acaaaaccac tggctcgcgt ctagccatgt cgatctactt ttcctacagc 480
gccgactgtc tgcccgcgca aatgaactgg gcatggctcc ctctcgagat tgggtctttat 540
ggcattgttc ttgacttttg gttctactgg tatcacaggg cgatgcacga tgtggacttt 600
ctttggaagt ttcacgtac ccaccatctg accaaacacc ccaatcccct gctttcggcc 660
tacgcggaac atgagcagga gttctttgac atgggtgggg ttcccttttt cacctacatg 720
actctaaagg cgtttggtt gccaatgggg ttttatgaat ggtggatctg ccatgaatac 780
atcgcttca ctgaggtctt gggacacagt ggccttcgca tacatgggac ggccccttct 840
actctaggat ggttgctaga cttctttaag gcggacattg tcattgagga ccatgacttg 900
caccatcgca agggctacag aaagagctac aactatggca aacagacacg cctgtgggac 960
cgcttatttg gtacctgtca cgatcggatc gagtcggcga aagagaatat cgacttcgat 1020
attacggcgc ccatgccgct gtcttag 1047

<210> 24345
<211> 259
<212> DNA
<213> Aspergillus nidulans

<400> 24345
gtcttcggtt acgattgacg aattcgacgg catctatgcg aaccttctcc catttcgcgc 60
cttagccccg cactgagattc gcactatgac ccagaagctt gccacgaacc cggaatatga 120
tattggcgcc ctgagtattc gcaatggcac ggtagaatt caagaaggca tcaaaccgac 180
acatgcttgg atggttcaaa gtgcgggcag aatgattgaa aatttctccg agcatcttcc 240
tgacatggat ttggcttat 259

<210> 24346
<211> 438
<212> DNA
<213> Aspergillus nidulans

<400> 24346
atggctccca acagccaggc acaattcgca tactaccctg ccgactcaca accgaggcct 60
caatactcca gtcacccgga gatgcaatac tatggccagg tctcgccctt cactcatgct 120
cagcagcaat cccaacagcc gcactgcatt cccgagcact atgctccgac ggtcatcaac 180

cacccggtgt ctgggctttg gacacggatc tatcgacat ggaaggcatc gttcagccag 300
 ctgcagatga tggggataag acgaatgaag gaaagacggt acgcatgat gagaagagggc 360
 tgggggacca gctaggtgcc ggaaattggg acgctcctga gagctggcat gtcaaacgcc 420
 aaagaaatga ggTTTTggcc aaagtTccca agatgaccaa cgatgctgct cgaacaatag 480
 ctgaacctga tgggtgttccg tattttatcc gtgtgttccg cattgatgga acatttgcca 540
 cactctcgaa tgggttacat gctacggttg ccgatgtact tctgtcactg ggaaagaagt 600
 cttttctaac tgaccacctc aataactacg aaatagtcac gcgcaaaaat gatattctctc 660
 gacagctgga tccaatgaa cagcccattc tc 692

<210> 24349
 <211> 1510
 <212> DNA
 <213> Aspergillus nidulans

<400> 24349
 cttgcaggat cactgtcaag atgcctcaca ccgaaaatac cacgaatgcg tgtgccaatg 60
 gccatggcaa tgggtacaac gagaacggca taacggtcaa tgttgaagaa ctgcggtgt 120
 cacctaacct cccagaccag gtccccggac tgctcgacaa gattgctgcg ttcagtaagc 180
 agtatcttgg ggcagagcct caggccagggt tgaaattgct cgaaacagcc aggtcactgg 240
 tgtacgctct tgagactccc cgggaggcca ttatccgcca ctgctgggca gaggtacgtg 300
 tcgcgctgat cgagatccag ttgctgctat atatttatct ttctggagga cgtgctaaga 360
 gatatgccag tcaaccagtt acgccgcgct cgaaacagct gttgctctta acctctttac 420
 cgcgltggga acacacgagt ccaaaaccgt cgcgagttg gcagaagcaa cgggcgcaga 480
 gccagcactg ctgagtcagt tagagactgg tccgtatgtg atacgactgt gccatcgctg 540
 atcatcataa tccgtatgca ggtcgtctga tgaaacatct cgctgccatg ggcgtgatca 600
 ccgagaccgg atgcgatgag taccgcccga ctagtttctc caaggctctg acagtggaaa 660
 agtacagtga tgccttccca ctcatgtatg cgacggccga atccaggagc gagtgaattc 720
 tgcaggctga tcatgcggca ggacatcgcg attcaccatg ggtatcctcg ccctcccagc 780
 cttcctcgag aagaccaagt accgcaaccg gacgagcgcg acagatacag cattccagct 840
 gggatacaat acagacaagg gcttcttcgg tcttctccag caggaacca tcacggcaaa 900

gcgtttcaac aatcacatgg gagtctatgc gcaaggccgc gctcgtgga tggatcccgg 960
 cttctatccc gtgcgagagc ggctcatcga cgggtgttgca atcaatcaag aggatgtact 1020
 cctggtcgat gtagggggca gctttgggca cgatctactt gacttccgcc gaaagtggcc 1080
 ggacattcct ggccgcctcg tgctccagga cctcccggag gtcatatcag ccgtaagga 1140
 cctgcatccc tcgatcgata tcacagccca cgacttcttc accgaacagc cggatgaaggc 1200
 agctcggggc tattatctgc actctgtcct acatgattgg cccgacgacc tctgcagcaa 1260
 gatcctcgcg aatcttgccg cgcccatgaa acccaggtac agcaaactgc tggatgaatga 1320
 aaatgtgatc cccgacaagg gcgcgtactg ggagaccacc agcctggatc tgatcatgat 1380
 gcagctgggc tctggggagc gaactgagag gcattggcgt tccctgctcg agtcagccgg 1440
 gctgcggatt gtcggctttt ggactgccc cgcagcgta gagtcgttga ttgaatgtga 1500
 gctggcttga 1510

<210> 24350
 <211> 346
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24350

at ttgagggg gcttactcga cagtcaccat agccaaaact ccgggaagca gtcacgagca 60
 ctgcgatgat ctctgtata ttgacaagat taagcggccc tcaggactca tggagtgtgt 120
 gagaaggga gcaagtaaag gctacttgcc ttcttccatt tatatgaaat tccgagagga 180
 gcctgaaaag ctattgaag ctggcgccg ttttcttcag attactgacg ttaggaatgc 240
 ctgagctcat tggagactgc aaaatcccga ggtggatctt gtaccacatg aaggttatga 300
 aaaacaaaag ggccgtggca ttgtaagggc tcgcaatata gcagaa 346

<210> 24351
 <211> 1538
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24351

aaccgccagc tgagcaaacg cgaaagcgtc gtctccgtcg acttatcctt gtgtatatta 60
 cgagagcag tggccgtttg ggcatacctt ctatgctccc actaccacag tggaccgatg 120

atatccagcc gacgccacta accggcgtga aaggcaatga ggttgacaaa atgcatgatt 180
 gttggcttgg aatatccaag atcatgtatc aaagcaacca gtcctgttc gcatctaacg 240
 aacagacttc tgatttgata agaagcggcc gttaccgca ccagattgat cgattccagc 300
 ctttctccg agaatggcga cagaacattg attcgactga gtgtagggtgc atatttgcct 360
 ttcattggac aaatgctaac catatcagtg caccctgcaa tgagacatat attgatgatt 420
 gaatatgaat acacacgtac gtttcttct cgaaacttat gaccacctgg cttacttctc 480
 tcaaggttta tacgtcaact ctttagcatt gcaggctgtg gtcgatcggg ggacgacaat 540
 gtccaacgag gccgctcagg ctccagaataa gccgtcagca tcaaataacg cgtcgttcca 600
 tgtgctaata gaattgtacc gcgtcaatga gccttttatt caagaagtcg ttgatgcgtc 660
 gcgaaggatt ctgaccacag tgctcgaggg cttgggtcca ggggaccatt tgaaacatgc 720
 tctgtccgg acgtgcttct ggattctgtc tggcatgatc ttcattctta aggtaagtct 780
 ttttctgaat ctgaatgttg cgactccgca tctaaacatc ttagacgttc accctcggtg 840
 cgaaagaaga tgacgtgcgt gtctccctcg accttcagga ccgcaccgtt gaagcactcc 900
 gaacatgtgt tgctgacgac atccacctca gccacgcat cgcccgctg ctggagctcc 960
 tcacgactaa tatccgcaca cgcttctctc gtttcgcccc cctggaccgc agtggtgaca 1020
 acgacagcac cagcgccggc caggatcgcg cctccgcccc aacgtctcga gccactcgc 1080
 ctggttcacg agaaggcccc cttggccgct gagatggcct gaacaacagc cacacctggc 1140
 cgtctgcgca atcaacacat aacaatcaaa taggcggcta tgcagacgcc catcctccat 1200
 cgctgacacc cctaacctcg gtccacgacc ctctagctgg aattcccgcc caaccatca 1260
 actcctcaa catcaacgtc aattttatgc caccctcgcc atctgtctat tacaacttct 1320
 accaaccctg ctccccgccc cctcaggcg agatgaacc ttccaatcca aattctgggt 1380
 cagcgtcttc caatctcccc tcgcactcga tgaatgagca gccagggtgc tcggattggg 1440
 tcgcccttcc gctagaccag ttcttcaact cctcgactgc ggtcgtggat caagggcttg 1500
 gtgggacagg cccgatgggt ggtgagttcg atatgctg 1538

<210> 24352
 <211> 666
 <212> DNA
 <213> Aspergillus nidulans

<400> 24352

actactgttt ccccatgac cgcgaggggtt atcaagcgca tcaatagacc cgacggtggc 60
ctcactcgac tgcgtggttaa tgtgcagact ctgccaaatg gcaacacctt cgtcggctgg 120
agtgagcgcg gctaccacag cgagcatgac cgggacggca agcttctgat ggaggctaaa 180
ttcgtctcca cgcgcctctc atcgtaccga tctacaaat acccttttac cggacgcca 240
aatacaccac cagatgttgt tgcattctgtg tacggcacgg aaccgcgga cctgaccact 300
atcttccatg tcagctggaa cggggcgacg gacattgctt catggcagtt ttacgcacgg 360
tcttcagaag acggcctacc agtgccggtt ggtagcacgg tcaagactga ctttgagaca 420
atgtacattg ccgatggata cctggactgg gtgtccgtgg aagctttgga caaggagggg 480
aacattctag gcaaactctga ggttcagcgg acacagacac ccagtaattg gcgactcgcc 540
gggttccagg gcgaggagca gccaaactcca gatgatcctg caatcctgta ttcgacaaaa 600
gaagaaaaac cggatgtggg agaggaagaa ggaagatgga aggcgaaagg aggaagacat 660
ggctga 666

<210> 24353

<211> 2082

<212> DNA

<213> Aspergillus nidulans

<400> 24353

tctgttctct tctgtccttc tggtcgtgtc cttccacttg cgccatgagc tctcttgcca 60
gtggcccagc cgggttcctt ctgagcggct tcgaccgtca ctatgcgtcc attgcgggcg 120
ctgctttctt cgtctgcgcg cttgtcgcag ttgtcctcgt cgtggcgctcg cagaagcgca 180
acaaggtcga taacaatagc gggatttccg tctacctcag gttcatctat gccagcttcc 240
tgaaacccca tgataaagggt gggagcggcc aacaagatgc gttggagagc ttctattcta 300
ctcaagtatg agctcatctt ctgttcactg gctttcagga tgtcaattga ctgctcccca 360
ggctactgtt tacgacgcta cccggaagcg cttctacgt ggtcgggagg atatgcttgg 420
tcttgttgcc gctcagctca agtacaagggt cgagaacaag gagcttcgga aaggcaaggc 480
gatctgggtc gatgtaagggt tctcgtgttc ccgctggccc cgaaaaacta acgaatggtg 540
cagattggtg gcggtaccgg gtaagcatca agatgagcac agcgttcctc tgtcgttttc 600

tgacagctct agatacaata tcgaggctat ggccgagttc gtgcccgttc ccgaattctt 660
 ctctcatgtc taccttgtcg atctttctcc ttctctgctt gaggtagctc gccagcgggt 720
 cgaacgacta ggatggaaga atgtcactgt cgtttgccag gacgcacgcg ccttccaatt 780
 gccagaggac catattgatc ctctaaagag cgtaggagcc ggtgctgatc tggtcacaat 840
 gagttatagc ctgtcaatga ttccaggtaa ggactcgttt tatgcaattc tcgaacagcc 900
 actgacagta atagattatt acagcgtggg ggactcacta agcaaattgg tgaagccgtc 960
 tgggtctcttg ggtgtttgtg atttctacgg taggggccag gtttgcagct agcaatgaga 1020
 agaaacacta atgctcgaaa agtccaaagc attgtcgatg tctcctccag gaactatatt 1080
 ggcggtgtct ttaaccgaca tgttaactgg ctgggtcgtg cgttctggcg cgcttggttt 1140
 gaggcagacc gtgtgaacct cgatgccgct cgccgagact atttgaata tcggtttgga 1200
 actgtcattt ctgctagtga gcgtaactac ttactcggag gcatccctta ctacatcttc 1260
 attggccgcc agaaagacat ctaccgaat caggccagcc gtgaggccat agaaaagttg 1320
 gacgcttctt tcacagaatc gccttatctc tctccagcaa accatcgca ggagatgaat 1380
 aacgcaatca tccagagcac acaagagatt cactctaaag cgtatgagtc ggccgtcgtc 1440
 aacctgagcg ccaaccttcc cctgcttgc gcttctatc aaaaccacca ttaccgcac 1500
 ttctataatg atctcctccc gaaacacact caattcaaga atgagtacat ctatgccttc 1560
 aactgggagg accctcgggt tgaccacaga ctactcaaca taaagcgca cgacgttata 1620
 ctggctatca caagtgtgg tgacaacatc ctagactatc tgcagaagag cccgcgccgc 1680
 gtgcacgccg ttgacttgaa cccaaccag aaccacctca tcgagctcaa ggttgcaagc 1740
 ttcatcgccc tcggtcaccg tgatgtttgg aaaatcttcg gcgaaggaaa gcatcccgag 1800
 ttccggaacc ttttgatttc ccgtctgagc cctcacctat caagtcaggc tttccagtat 1860
 tggcttgaac acagtcatgt cttcacctca tcttctggcc gaggactcta tgagaccggc 1920
 ggttctcgcc acgccatcaa gatgatccgc tacatcttca aagtcttcgg tctggagggc 1980
 caggtgaaaa agctctgcga ggccagacc ctagctgaac agcgtcagat ctggccgcgg 2040
 atcagggccg ttctgttgag caagcccctt cactgggcgg tg 2082

<210> 24354
 <211> 1354

<212> DNA
<213> *Aspergillus nidulans*

<400> 24354

acggcgggaa ccagcagttt agtgcccatc gaatgacctt tatcggttgt gcaaccgctg 60
tgcagattat atgggactgg acctgggtct ggaaatcact tgatattcag ggcgccgaag 120
ttgggcttcg tctggtcagc aacgacggca gtggtaatgt tggttcagtc gccttgatcg 180
attccaaact caccagtgtg aacactgcta tcatcatagc ccctgctgtc tcaactccag 240
ggaccggtag gactgggttg gttctagata ataccagaat cgacggcccc attgtggata 300
ccgctggtaa ggtttattta ggagcaggct actatgataa ctgggtgctt ggccctacat 360
acaggggtac caccgaacc tgggtcttcag cgcccttctc atcgtatccg cgggagcagt 420
cactacttgg aaataggggt gatggcctca acaatgcgcc gtattttgag cgcaaaaaaa 480
atcaatatgc ggataggcct gtcggagatt ttgtccagct caagtcacta ggtgccagag 540
gtgagaacat ttctgttgcg ccattagtcg gctagctaac ccagctcagg ggacggagtt 600
actgatgata ctgccgccgt ccaacgggag tttaacgagc acgggagcgg aaacaagatt 660
atcttcgtgg attctggcac gtacatcctg actgacacgg tgggtggccc taaagatgcc 720
aaaatccatg gggaagcatg gtcacaattc gctgcttctg gcagcgcatt ctctgatgca 780
aagtacgtag tagctacca ctcgcgatag gctttgctaa tgctgcgctc ttagtaaccc 840
tcgtgtcatg cttcagatcg gaaacagggc agatgttggg tccgttaagc tacaatactt 900
gatagtggca tcaaaagcag gcacagctgg ggcggtcctg atgcagtggg atgtcaaggc 960
agctagccct ggtgaggctg ccctctgggg tatgttgagt cagacctttg gcattctaaa 1020
ggcgataact tacagatgtc tcttatcata gacgtccatg cccggattgg tggcgctatt 1080
gggacggcct tgacgcagac agaatgtcca cactgacta ctggcactaa gccgacctcc 1140
tgtcaggcag caagcctcat gctgcatcta acaccggagg cttcaggcta ttttgaaaat 1200
atgtggcttt gggtagctga tcatttgata gagtaggttc attttccatt gccgtatctt 1260
tcaggtggtc tggatattat tttttgctcg atttggatca agtactaaaa ctcagctcag 1320
tgacctcgat ctgaatgatg cttacaatga tatg 1354

<210> 24355
<211> 713

<212> DNA
 <213> Aspergillus nidulans

<400> 24355

```
gccgagcgcg agaggcgatg gccgccctgg aggcagacga ggatctcgat gagatgggca 60
atatcgcgga cgagcaggca gggcactcgc cccatgtggc agcgatggtg tatgggcgca 120
agagcagcaa gctcgtctggc agcacgacga cgcgccggct gcggtttcga gcgtcgagca 180
ctgactggca tcgctttctg gggtttccag acccgctacc agtcaacacg gtgctgggca 240
agcgcgctaa cccgtgggag gagcaggctg tcgaccatca ggagcaacag caacagcagc 300
tggcccagac agacatggcg caggcattgc agcgcatgac aggacggccc gcgctgcagt 360
tgcgcggggt gcaggcacca gcgctgaagg cgatccagga cggtgccagc cctgtagttg 420
caatcatgcc cacaggcagt ggcaagagca tgctgttcat gttgcctgcg tatgcggccc 480
cagggggatg cacaatcatg gtggtgcccc tgctgtcgtc gcgcgcggac ctgatgatgc 540
gctgtcaggc cctgggcatc tcgtgctgtg cgtgggagag ccgccggccc cctgacgagg 600
cagcgatcgt gcttgtgacg cctgagtcga ctgagaacct ggatttcac acgttcctga 660
accgccaacg gcagatgcga cggctcgacc gcattgtcat cgacgagtgc cat 713
```

<210> 24356
 <211> 510
 <212> DNA
 <213> Aspergillus nidulans

<400> 24356

```
gagccaggct acgacttttc ggtcttgatc gacttgaaga gccttcccga tgatcataca 60
gcgcgagagg acctcatcac acgactagct ttgctgaagc gcaacgcaat ggccgctccg 120
ttcgagaagg cgttcgatga gttcgcgcag ctggcggagg aagcttcaaa gtacacttcg 180
gaggctgcgc cagcgggtgt tgccggaggga gtcgaagtca tggcgattca ttatcgggaa 240
gaagaggcaa tttatatcaa ggctagtcac gatcgagtga ctgtgatctt tagcacggtc 300
ttagaggagg agacagaccg tattttcggc aaggctcttc tacaagagtt cgtcgatgcc 360
cgacgacgtg tagcgacctt gcaaaatgcg cctcaagtcc ttttcgcaa cgaccctccg 420
ctcgaactgg ctggcggttc tgggtctacag gacgctggtg acggcaagat cagttacatc 480
acatttggtg tgagctctct caacgtctga 510
```


<400> 24359

atgggtcacg aagatgctgt ttacctggcc aagctcgccg agcaggctga acgctatgag 60

ggttcgttct ccttgtttct aggtcgttgc tggaactcgt ggcctcgata ttgacggagt 120

tccatctaga aatggttgag aacatgaagg ttgtcgccgc ctctgacgta gagctcactg 180

tggaagagcg gaatctgctt tctgttgctt acaagaacgt catcggcgcc cgccgtgcgt 240

cctggagaat tgttacctcc atcgaacaaa aagaggagtc caagggcaac gagtcccaag 300

ttgctctcat taaggagtac cgccagaaga ttgagggcga gctcgccaaa atctgccagg 360

acatcctgga cgttctcgac cagcacctga tcaagtccgc tcagagcggc gagtccaagg 420

tcttctacca caagatgtat gtttctgtag ttgttcatct atgccacca tcttaacata 480

tctctacgcc aacaggaagg gtgactacca ccgttacctt gccgagttcg ctgttggcga 540

caaccgcaag gctgcggccg acgcctccct ggaggcctac aagtctgcca ccgaagtcgc 600

tcagaccgac cttgccccta ctcaccccat ccgtctcggc ttggccetta acttctctgt 660

cttctactac gagattctca actctcccga ccaggcttgc cacctcgcca agcttgcttt 720

cgacgatgct attgccggta tgtagcgcat taatgtcaga tctaggcgct cgactaactt 780

tcgttgcaag gcttgacacc ctgagcgaag agagctacaa ggactccact cttattatgc 840

agcttctcag ggataacctg 860

<210> 24360

<211> 302

<212> DNA

<213> Aspergillus nidulans

<400> 24360

gtctgaacct gtctgtgttc cttgtcggtc ttgataacac cattctctcc agcgctattc 60

ccaaaatcac cgaccgattc cacgctctag gcgatgtcgg ctggtacgcc agtgcttacc 120

ttctcacaaa ctgcgccttt cagcttttct ggggcaagct atacacattc tacaccgtga 180

aatgggtcta ccttggtggt ttgtttctgt tcgagcttgg ctcggttggt tgtgccgttg 240

cgccttcttc aacggccttg attggtggag gcgggcagtg gctggtgttg gcgctggggg 300

cg 302

<210> 24361
 <211> 575
 <212> DNA
 <213> Aspergillus nidulans

<400> 24361

cacatcgtgt aaggacattc acttcgcaac gtgacgttga cccgaaacct gagaggagag 60
 taccacctac tgaaaacgat ggcaaacaag acgacggcgg caactcgcag cctcctcaaa 120
 agcctgaggg gcccaaggat tcagaggaac ccaataagcc agaggaggac aagaagcctg 180
 agcagcctcc ctggaagtta accgcgaggagg aggaggagca ggtcaagcag ttcttcgaac 240
 acatgacaca attttttccg gcctcgcaaa tcaacgacct gcgaatattc gtgagaatat 300
 taaaaagaa tggcatgact ccggagacac ggcagtttat cgaaaagtat atcgtcacgg 360
 ggaaggagcc gtcgatgatg gagtacatgc ggatttctac gcatgtacaa tatacggtaa 420
 ggaagaatgc cagccaagaa aatgagcaga aggatggcca gaaggaagaa cagaagcaga 480
 gtgggcagaa tgggcagaag caacagggca agagccagcc ggattttcca gatttaaaac 540
 cctgggattt caaatcgcac cctgatcgag cctga 575

<210> 24362
 <211> 201
 <212> DNA
 <213> Aspergillus nidulans

<400> 24362

atgcctcggt ccaagcgtgc caggatcgtc catgagtcga agaccgcaa aaaatcgcac 60
 aaggaacaga ccagacgcct gtacgccaat attcggaat gcgtcgagaa atatgaccat 120
 ctcttcgtct tctccgtcga caacatgcga aacacatacc tgaaggatgt gcgcacagag 180
 ttcgctgata gtcggtaagt g 201

<210> 24363
 <211> 1174
 <212> DNA
 <213> Aspergillus nidulans

<400> 24363

atgcttaagg ccaccgctgg cgggtggcga atgggattac ttacctgcaa caccgagaag 60
 gaagtacggg aatcgtttca gactgtacaa tccaggggtg aagctctctt caagaacgct 120

ggactcttca tgcgagcgta ctatccgtct agccatcaca ttgaggtcca agtttttggg 180
 aatgggcaag gtaaggctat ttccattggg gaaagagagt gctccatcca aaggagacac 240
 cagaaagtga ttgaagaatg tccaagcccc tttgtaacca ggaatccgga gctcaggaaa 300
 ggctgtgctg acgccgctgt ccgcctcgct gaatcaattg actatggctc cgctggaaca 360
 attgagtatc tcgtggatga cgaatcgggg aagtttttct tcttgagat gaacacacgt 420
 cttcaagttg agcatggaat taccgagcta tgctacggcg ttgatttggg ggaactcatg 480
 cttcgacaag cggatgcccc gttgtcaggc agaaaaggct tcgaagcaga gtttctctcg 540
 agcattccgg taggcgctcc acaagggttt gccattgagg ctcgagtgtg tgcggagaac 600
 ccagtcaggg actttgctcc ttgccctggg atactccagg acgtggattg gaaggaaacc 660
 acaggatcaa gaattgatac gtgggtgtac aggggaatca aagtgtccgc gaactacggt 720
 aagactttgt gcaaactctg tacctgcaag agaactctga caaggaatag atcctcttct 780
 tgcaaaggct atgtatcatg catcgagcag gcaaaaagcg attgaggac tgagagacat 840
 cctaactggg tcacggatct gtggccctcc aactaacctc gggtttctgg ctgaaatcct 900
 tgccaacaag gactttaacg ctggaaacac cttgactaag ttcttgaata atttcgaata 960
 caatctagct gctattgatg tcactctcgg tggcgcttat acgctgattc aagactggcc 1020
 cggtcgtcca acagtaggcc gaggcttctg tcaactcggg ccgatggatt ctgttgctgt 1080
 ccgcattgct aatgctctgg tgggcaacc agtcggtctt gagggcttag agatcacgct 1140
 gagcgggcca gagctacgtt tccttggaac agcg 1174

<210> 24364
 <211> 378
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24364

atggcagaca cagcagtgat cgatacatca cctgcagcgg ccacagcaga gccgtcagtc 60
 gatacaacgc cgcaagatgg cgaaagagaa gaaataacac caaatggaga gaacgctctt 120
 gtccagcaac aatcagaaac cgccgaaaca ggtatcacag acgcaacag cacacagaag 180
 aaaacgaaga agatcattcg gcggaaacga cgacctgcac ggccacaggt tgaccctgct 240
 acgttaaagt ccgagcctcc cccacaaaca ggaacggtgt tcaacatctg gtacaataag 300

tggtctggcg gcgatcgca ggacaagtat ctttcgaaaa ctgcggcccc gtcacggatg 360
caacatcgca agagatag 378

<210> 24365
<211> 448
<212> DNA
<213> Aspergillus nidulans
<400> 24365

aagcccaacg atgcggaaca gacaccgggc ggaaagctga ctccgcaggc ggccgaggca 60
ctattggaaa acaatccctc cctgaagaac gagctcgggtg ggtagataa ggacaaggct 120
ttggaagcat tgcgcaagat ggatatatct gaacttctga ccgggctttc tttgaccggg 180
aagaacaaga aggatatggc cgcgtttaag ttctggcaga cgcaaccctg accgccgctt 240
cgacgaagcc gccagcaatg ctgccggttg gccgattaag atgatcgacc ctgagaaggt 300
atcgaaggag ccggatgcgt tgattgaggg ctctgagtg accaccctgg acttgacgaa 360
cgaggaggaa ctctggggagc tctgggacct actcacatac cactatgttg aggacgataa 420
tgctatgttt cggttcagat actccaag 448

<210> 24366
<211> 1155
<212> DNA
<213> Aspergillus nidulans
<400> 24366

cgagcaactt ctctgacctc ggagagttaa cggagccata atctcgcat ggaacaagtc 60
aagaaacagc accaacctga gaaagtacag cctccatcta taccagtga ctctcctagc 120
ctcgatcagc atgatgcgtc agatatectc aagactcagt ccatcgtaat tggcgtagaa 180
gatatgagct atttgcggcc accgtcagtg cttttcacgc ctcatcagt cccatcgta 240
tcacctggtc cgttcgagat tagcgaagtg aggagagtgg ccatcttccc gcataacaat 300
gagtctctat tacttgtcaa tccacatgga caaagcaacc ttcgagcaca gctacaacaa 360
gctgaacagc cccagacccc cgataacacc caacagacta ctgatgtgga ttctccattg 420
cggaaccctc ggccaccgcc aaaaccgcca gtctctgcag ctgctgataa ctctgctgat 480
tttgaccagc taccgggaga agtgactaat ggaaaagacc caaccaatgg tattgatcgt 540

cgtccaagct ccaagagacg gccgtggatt gcccgaacctc ggtctgagtc cttcaactcg 600
 ttcgtgcgga cacttttact caattcagcc aggaacccta aagctggcga agacattgac 660
 gggcgatcgc agcccttctg gcgtccgcgc cgattctggg atgactctcc ggactccctg 720
 tcacctgaag aaggcaactc cagaccgcgg aacctcaaac agccagacga gatcattagc 780
 aactcattag gaatgccgca gaagcgggtt gtattcgatg gccacactgt ctcggtgccc 840
 cgcccaggcg cagtacggcg aaccgacggt caccgagcca acagaacaat gctcattgga 900
 agcggcatct tttcaccgga ggccttgtag tcccaaactc cgctccacca gcgccgattc 960
 ccagccgtgc cgaggtggcg actacgattc cggctctggca ttgcgcggtc tctccgttgg 1020
 cgccttcgac gctcaatata acaacgagtc gaggggaaggc gcgaagtccg gcgcgagaag 1080
 ctcaagcaga gtattggcga ggctgtcttg atggactcga gcacacaagt cagaaaaagc 1140
 catacaatga aatga 1155

<210> 24367
 <211> 494
 <212> DNA
 <213> Aspergillus nidulans

<400> 24367
 acacaatggg ttccaacaag atctggctgc gcgctgagac caagcctgcc gaggacggtc 60
 tgcttgtatg tgacttttca tgcattcaag cggccgtttg ttaatctgct gagcagtgac 120
 accgaccact tgcaaggctc ttattgatgc tggatatgag gtgacggttg agcgatctac 180
 tcagcgtatc ttogatggta agatttgtct aatggactcc aagctcatgt tgggtgcggg 240
 cgtgttcgca ttgactagta tcctggcttc tgattttgta ctggacttcg ctgacctttt 300
 tccttcgata gatgacgaat tcgcaaaggc tcgaacgcct cacctccaaa tgcaacgtgc 360
 ctagattttg accacgcatt gtacagggtg gcgctcctct tgttgaggaa gggtcctggg 420
 tcaaggatgc acccaaggac gcttacattc taggtctgaa ggaacttcct gaggatgact 480
 ttcctctcga gcac 494

<210> 24368
 <211> 915
 <212> DNA
 <213> Aspergillus nidulans

<400> 24368

atgcgcaggg cagtcggcgc cagctcgggtg ctgtccctcc tttgcgtgct gacccttgct 60
ggccatgggt ctgcacaaat cccgtataca ccatccagtc ttttatacga ttcgcagcat 120
aatacttcat ttgcctatct gctgcgggca accgaaggcc gaacggaatt tatctcgcta 180
gacgtttctc ggaaagtgga cacaacaag tccgcgtata ctatactgct cgacgacgtc 240
ccattcaaca agaacgtcgg ccagtcgcga tacgtacctg ttattgacca ggatgggggtg 300
ctgaagatct acgcgggtga ctgttgggac tcggggaacg caccaaaact atggtctttt 360
cgtccggatt ctggcagttc atcaggcagc gggaaatggg aggagtcttc gattgaggga 420
ccaggacaag ttgatattac caatcgaccg ggccatctgt cagcaggctt cgcatactct 480
gcttcaaaca ctacccaaag ctcggtcttc gcgtttgcgg gaatgtgccc gtacgaaagc 540
gatgacagca cttcttgggt ctctgccgcg aactactccc aaacgatgac agtactggct 600
ccatgcgaga acgggaagtg ctaccaggcg tcgattactg gggacagggc gcctccgatc 660
ccagaagcgg ggttcacgtt cactcccctc caggccacat atggctatac ggacggtgta 720
ctccggtaac aacaggactt ccttctcatt ggcgggcata ctacgcaagc attcattaac 780
atgtccgagt tggctatctt ctctgcgcca cagaatagct ggagctttgt aagcgtggga 840
tacgccgcag acacgtcaag ggctgatctc tccctccgca acacagccct aattgagccc 900
cgatccggcc acacc 915

<210> 24369

<211> 813

<212> DNA

<213> Aspergillus nidulans

<400> 24369

cgagagaaat acgcagacca gatcaaaatc ctgattggct ttgaatgcga ctggattttg 60
ccagagtcgc ggactttgggt tgagacatca atgcgtgctt tcccgttcga gttcttcatg 120
ggctcgatcc accacaccaa gaccataccc atcgactacg accgggagat gtacgagaaa 180
gctcgggatc tagcaggcgg gtcggacgag aagctcttcg aagccttctt tgacgaacag 240
ctggacatgc tgaagcagtt gaagcctgtc gtggtcggcc acttcgatct catccggctg 300
aagagcgacg atcccagcg cagcttcaag cagtggccgg gtgtttggga gcgaattctg 360

cggaatctgg actacgtggc tgggtacggg ggcattctgg agctgaactc tgcagcgctg 420
 cgaaagggga tgagcgagcc ttatcctaaa gctgagattt gccaggtcag tttatctgct 480
 ctttatgact gtctggatag tggatcatgtc agctggaata ccgcagcgga tatatgagag 540
 ataatgttct aattgagtgg acaggagttt ttggcgctg gtggtcggtt ctgtttctcg 600
 gatgatagcc acgggctaga tcagattgga ttgaattacg ccaggatgct ggagttcatc 660
 gagacgaata cggacatcaa aacattgtat tatctcgatc tcggaaacga acccgaaact 720
 caaaccccg tggatagccg gtttccccg acggtggtca aatccatctc tatggaagag 780
 gtgaagaaga tggctttttg gcagacgaac taa 813

<210> 24370
 <211> 1226
 <212> DNA
 <213> Aspergillus nidulans

<400> 24370
 ccgacaaccg tcagccttga agccgagaca gaggggttgt ctcaccagtc ttccgccctt 60
 taaataacct ctgccgtcac gaccgagcca acaacttgtc gaacatctac caccgtcacc 120
 gccaaaacaa tgtatttcac tccacctcct atcgagattc ccttataccta tgagtccttt 180
 ccaacacaac acatcaaact ctcacattat cctgtgggct cagcgaatgc aacacctgtc 240
 gttatcgtaa cgctcaacag acccgaaaag cgcaatgcct ttacgatggc catggccgag 300
 gacctagaga gggctcttcg cctgttcgac cgcgacgagc gcgtgagggg tgctgtttta 360
 acgggcgctg gcaatacgtt ctgcgctggc gcgcatctgg agattgggtt taaggcattg 420
 gaggagaggt cgaggagca tagggacagg ttggtcctcg cccatgaaag gattgtagta 480
 aggtaactgc ctccgactga cttggtaatt atacagtggg ggtcgcgtag caatcgcaat 540
 ccacagatgt cgtaagccca ctatcgctgc tatgcaaggc tcagctgttg gagttggtat 600
 gaccatgggt ctcccagctg caatcaggta cacaccctgt cacttacttt accctacagt 660
 cgcaactccc tacggctaaa aggaacctaa cgttgaacag gatcgcacac gaatcaagca 720
 agtacggctt cgtctttgct cgccgtggca ttactatgga gtcttgctcc tcgtattttc 780
 tccccgggt aatcgccac tcgcgtgcca actacctcgt ctcaacgggc gccgtttacc 840
 cgtccacatc tcctcatttc gggggcctct ttgcagagac gatgccggag cagagtcagg 900

tccttccgcg cgctttggcc ctcgctactg agatcgcaga aaatgtgagt cctcaggcag 960
cagcgctaaa tcgggagctt atgtggaggg gacctgagag tgcggaggag gctcatttgt 1020
tgaggtccga ggttatctat catcggttta cgtcgccgta tgtttgcctt tcgtcattaa 1080
ctgcttttgt gtatgtttga atatggctga caattcattt ctttatgtag ggaccagaaa 1140
gaaggtgtta cggcgttcct tgagaagaga aagccgaact ttggtgggga tgtgaataag 1200
agcttgtcgg cgacttatct cgggtg 1226

<210> 24371
<211> 309
<212> DNA
<213> Aspergillus nidulans

<400> 24371
attgctgact tctattagta ttctgaccct gaaggtggct acttcgtgct ggctaacatg 60
gcctccgtca aactcccaga gggctaccct ttccctcctc acgttgctag ccggccgcgt 120
gactttaagc tctgctgggt ccttatccac gaagtcggtg tggctgccat tcctccgacg 180
gaattttata ccgatgccaa cgcacatatc gctgaggact acctccgctt tgcagtttgc 240
aaggaggatg acgtcctcga gacggcgaag gaaagacttc gtgggctgaa gaagtatatc 300
gtgcggtaa 309

<210> 24372
<211> 220
<212> DNA
<213> Aspergillus nidulans

<400> 24372
aaaactctga aaaatctatc ttgcaggctg ttcacgatag ggaggccggt ggccgctcga 60
cagtggcggc aaatgtgact aggacctacg actatggcta catatacccg ttcgaagcca 120
gcactaatcg ccatggaaac cttgctgaag gtctatttgt ggctggaggc attggcggtt 180
cctcaaaaaga tcccaggaag catcatactc tgccggcaag 220

<210> 24373
<211> 1548
<212> DNA
<213> Aspergillus nidulans

<400>

24373

atgactcagt acctggcata tcagtttgcc ggggattcgc ccagtgcggc atcgtagatg 60
tttggtcagt taagctatcg gtctgttttt cggccggggg aagagcgccc tcagtttaac 120
attgctgacc gatggtggga ggatgaagca acaactattc tttggacttt tgacgtcgag 180
gtgatcaaga gagttatacg tttcaagctt ttctctgacg aacagtttcc acggatggcg 240
cttcacgctc gaccaacttc cacagtggac gatctcctca agggactttt tgactctcag 300
gaaagagtat tctatgctaa cctaccgcac gctcaaaaag tggacgccat tctacagcga 360
tgcaagccta ctgctccgcc catgatttcg tggggctggc tcccagcccg gatggagata 420
ggccggacgg gcgataactt ggaatcttta gccgtcgcca aggccattga tgccgaaagt 480
catcttcatt tcacccgtat aacatttgag gagctggctc ggtattcgct gggttaccgg 540
tctggccaag tggaatggtt cttgcggcag catacatggt tctatgccca cctgttggat 600
cacctgcatg catttccga gcaggttgag agatacgcg aggttgagaa ggtttgtggc 660
tttttaaagg tgattgtgac attcttgtgc agactgactg agcttcccat agcaccttca 720
gactcgaagc ccttttgccc atcgcgctgt gattagtgt ctacaagatg caggttacgc 780
gctcgaactg ccatgcatga caccggggtt cggattcttt gctggagcaa ttcaacgtct 840
tttcaatgaa cttctgaact tgaagttgat tttgaagggt ctcaatgtct taggagttcg 900
atttgcgcg tggtacttgc acgcccagga aatggactgg tcgcggccgt tcagcatcgt 960
cttctctttt cttgaggaca tggacagctc ggattcgcca gtgagctttg ctcgtaatct 1020
gaccagatct gtcgagcggg attttgctt actgattgaa gggggtactt tggacaaaag 1080
tgtggcta at cgtctgtcgg aacgttggca gcttctctct gtagaagttt gggaatgttg 1140
caaggcgctt ccagaaacga tccggtttat ccaagaatgt ttagaggtaa gtcacgcca 1200
cccaggatga ttgtctggtt ggctaacacc ctgcagcctc tattgacttt gcggaactac 1260
cattccctga ctgccattct cagtgggctt cacaagtacc gcgtttccga atcttcgctc 1320
gtccgccttg aaaacggaac aactgcctg aatctgaacc aactgcttcc ttctgagatg 1380
ttatacctcc tcaatccgtc acagaactac gcgctatatt ggagcaata tcagcaggcg 1440
ccacggattc ccttctcat tctcacttg tatgagtatc atcagcttgg tgagcctatt 1500
cttcaaaacc tctatgagca aatgagcgt gtcattctc agctctaa 1548

<210> 24374
 <211> 456
 <212> DNA
 <213> Aspergillus nidulans

<400> 24374

agacacgcga cgctccgcag cttacaaaaa cccaggatcg gcggctggtt agctccaatc 60
 ttcgacctgc agggattcat cgtcggccag ataccattat cccctgcgcc ggaggagctg 120
 gaagtccagg caacttcctt cgcctcgcgc tatcagctgg cgaatgttta cgggcttatg 180
 gcgctccttg gcgcggcggt gctctacgcc acctcggagc cgaaggtgct gcgcaactac 240
 ttggtcgctc tggccattgg tgatgtaggg catatctacg tgacctacct tgccatgggc 300
 ccagcgcttt tctttgatgt cgggtgggtgg aatgcgctca cctggggcaa tgttgggggt 360
 acggcctttc tgtttgtgaa tcggcttttg tactgcctgg gtgtttttgg gtatgctgaa 420
 ggtggctccg tgaaggagcc gaagaagcgg gtctga 456

<210> 24375
 <211> 1099
 <212> DNA
 <213> Aspergillus nidulans

<400> 24375

acacatcaat ttcacagtct aagaagtggg tcgacattca cttacgtctc caatgatatc 60
 tacgccgcac ccagcgcaag tagaccttta gttatcttta ttcacggctt tcctgacagc 120
 tggggagtat ggcgccatat cctcagcgag taatccctgc aaagttcagc gacgctggtc 180
 gcggttgatc tgcttggtta tggaggctct gagagcttag atagatattc ggctgccgcc 240
 gttcttgaga tccttaccga gttcatcatt gctatgagaa agaagtatgg tattgatggc 300
 cctatagcta ctgcgcagca gaggaccatt atcatcgggc atgactggga ctgtgtactt 360
 gctatgcgac tggcagctga tgctcctcaa ctagctgata gggtcatcct gacaaacggg 420
 ccgctagtag gtgttatcca ccaacatcac ccagtcgcta ggctcgactg acacatgtcc 480
 ctagatcccc ctggcagttt ctaacatcag tatacggctg tcatccttag tgtacatgct 540
 caggtgcttc ctgctctcac ccgttcgaga gcggtcatta ttgttcaatg ccgccaagtc 600
 actaaagccc atattatttc aattgtggcg ttcgggatac atattcgcct ttcaacttcc 660

tccgctattg attgcctaca ttggcaatgg agcaaataca gcaaccctaa agcacattca 720
 taaaatgtcg tacggcaacc ggaactacac tctactgac gccgcagagt gcatggcaag 780
 cacacttggc ccatctattc acgaacgcat gacacaaacc gctgatggcc aggcatatgc 840
 ggaatccgcg gtgaccagac cggcgatctc aaagttcgtc gaaatgtgca gctactaccg 900
 agacggcact gctaccgccc cctggaagaa gtctactgag acggtataca gcctctgtgg 960
 cattgcggaa gagaacggag ctcggtgcat cgatagtac gcgagaatac tcgacgacgg 1020
 accgccaggc gccttgaaag ccagtacgac ccgtggtctg gggccagaag gaccatgcac 1080
 tactcggagc tgtgcctag 1099

<210> 24376
 <211> 614
 <212> DNA
 <213> Aspergillus nidulans

<400> 24376
 acagtgggtt tggtgaaatc tcggtgtcgc tgctggatcc gccagtgaaa accgaccag 60
 attctgccgt tgcacacttg cgcttactg ataccgggtg tggaatgtct caggaattcc 120
 tgaggaataa gctgtattcg cctttcgcgc aagaggacgc cctagccgaa ggtgctggcc 180
 ttggtctgag cattgtgaag caacttgtct cttttttcaa ggggtcaata gacgtgaaga 240
 gcgagattga tggtggaact caagttgata tccaaatccc cgtccaactg gccccgatg 300
 atttcgctac aggtgcattt ggtccggaat taggcatggg tttgcgggaa accacattct 360
 ctctcatcgg ccttgatgcy taccctgaac tttgcgaaga gcctactgga agcttgagct 420
 cagaagcgaa gcgaagaatt tgcttacaga gcttctttac caacctactt tccgggaagc 480
 ccaattggaa gatctcctcg acagccacgt tggccgaggc agacggcgag attgcaattg 540
 tcagcgaagc ctctctgaaa caactgttcg tagacgaggc actgcgtcgt cgtgcggaga 600
 aaaatcagac ctag 614

<210> 24377
 <211> 1573
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations

<400> 24377

ctcgatcaaa aagcaaaggc tatgttcaact tgcgttnccg ttctcccacg ggctctgaaa 60
gcggcatttg cggcagggct acctaaagac cgtatttatt tgattgatgt gttgcccggg 120
agcgggaaga tcccgccgga atttaagaca ctctcacaga tcgtcgagga aggaaagtct 180
cttccgaagt tggagaagct caaatggggg gcaggcgagg gcgcgcgtcg aactgcctat 240
ctatgctatt ctacgggaac gtcagggtta cctgtaagta accaccctcc agataagggg 300
catttcttga gcgctgacag agcattagaa aggagtaatg attgcgcacc gcaatgttat 360
tgcaaagtgt ctgcagatga cggctttaga gaaatcatgg cgtgataccc gcaagaatgc 420
ggacggcagc tactatagtg acgtcttgct gggcctgctc cccagagcc atatttacgg 480
actggttggt atctgccatg ctgggacctt ccggggagat caagtcatag ttcttcccaa 540
gttcgagttg aggtcgtggt tggccgcgct ccaaagattc aagatctctg ttttgtttgt 600
ggtaagtctt atcctgtccg gaagcgaacc tatctaacga gctgcaagggt tcctccgac 660
attatcacta tgcttcggag ccagaaata tgcgctgagt atgaccttaa ctgcggcgtg 720
gcgctcgtga ctgggcgcgc accactgggt caagagaccg ctctcgactt tcaaaagaga 780
tatccgaagg ttgctattcg gcaggcatat ggtaggtcat cagcttcatg agtatgaccg 840
atagattact gatttcgatt cacaggcctt accgagacat caacggtcgt cacggccaca 900
cactttgatg acatcgtgcc tgggtcttcc ggttggtta tccccggcgt agaggcacgt 960
atcgtgaccc cagaagggga ggatattacc aagtatgaca cccctgggtga gctctgggtc 1020
cgagctccca gcgtcgttct tggctatctc aacaatgaga aagctaccaa agagacgttt 1080
ggcgatggat ggatgcatac cggatgatga gccgtgattc ggaagagccc caagggaat 1140
gaacatgtgt tcattgtcga ccgaatcaag gagctgatca aagtcaagggt tcgtagcaat 1200
gtacaggaaa gcatgacccc ccgataacta acctgcgtgc tagggtcacc aagtcgctcc 1260
agccgagctt gaagcgcac 1320
catccccgat gacgctgccg gtgagggtacc taaagcaatt gtatctaagt cacctgaggc 1380
gggaccagat gacgaggcta cagtcaagtc gatcgtcaaa tatgtgcagg atcataaagc 1440
gcgacacaaa tggcttaagg gtggtgtgag attcatcgac actgttccca agagccctag 1500
cggaaagatc ttgcgacggc tacttcgtga ccaggaggcg gctatgcgca gacaagcagg 1560

ctctaagcta tag

1573

<210> 24378
<211> 372
<212> DNA
<213> Aspergillus nidulans

<400> 24378

ggtcgcctcc agttttaccg cacaaacaaa atccgcactt ccctcaaccc ctcaaccaca 60
tcctccgcaa aacgcaaaag agaagacggg acagccatgc cagcccctag ttctggcctc 120
cgcgtcacgt tcaagcagtc aagaccgaac cccagcaatc accaccccag caccctctcc 180
gccaaaaccc cagggccaag ttcaggtctt ggaactcctt tgcaacaaag acagcccacg 240
aagctacata ttccgaactt cgctgcagcg caggttcacc gtcagccgcc gtcacacacc 300
cccgcgactc cgtctacgcc tgggtggcggg ctcaagctga aattgaaact tgggtcccag 360
cctaagcaat aa 372

<210> 24379
<211> 453
<212> DNA
<213> Aspergillus nidulans

<400> 24379

gatgtatcga aactaatcca ctcggttga ctcgcgattc aagcccttac aaacgcaaga 60
tctaacgact ctacaactct cgcgctctgcg gacaactcgc tcgattctca taaggctcga 120
ttcaaggaag ctacgtcaca gtactttgcg cttctttcgt caatcgatgt tcgattgcgg 180
cgccaggtct atgctctgga ggaagcttca attcttgcgc cggactcgtc ttctagaacg 240
ggtgattctg gttcaggtgc ggctgcggga ggcgcacga acccgttgga tgtagctgg 300
ctgaatagta ggaaggatac tgtgggcaag gagaaggagg cagagctctg ggcggctgcg 360
agacagtttg ttcagcagat tcaccaggcc aactctgaag ataaggctac agtgaagggtg 420
gaaggagaac aggagaccat ggaagtggac taa 453

<210> 24380
<211> 675
<212> DNA
<213> Aspergillus nidulans

<400> 24380

atcggaatcg cgatgatcta agtgaggctg acgtccgtac gatactccag aagtacgacg 60
aactgcgtaa gtcttcttgt caagaaacgc ctggttgatt gatctgacaa ttttgcagag 120
gccaaagtact ccaaggtaaa acggtactat tttgaacggg atgccaggt ccagcagcta 180
caaaacaccg ttgctcacca gcgtatggcc gtttcccgaa ccgttctcga cgacaacgag 240
tacgccaacc ggtttgccg tctggacggc gccatcaagg accttgcat tccatccgc 300
aaagactgga aaacacttcc cacttggtt tccgggttg tcaacgagga tgctccagcc 360
acgggcacaa aggaaatgac ggccattggc cgctctgtaa tgagccgctg gctggtagac 420
gagatctttg agcggtactt tcatccggcc cttgagccaa gcttcagtca gcaactgaaa 480
tctattgaaa tgaccttgcg cagacaacat acaaatattg caacagacga agataaagag 540
aactccatcg cccgaatctc caactggcgc cgcacaacgc tcgacggctt aggcgactcc 600
cttcaaggcc ccgcagcaga cgaataccgg tctggactca ttaattgtct agtggataac 660
ctcgtcgcaa ccctt 675

<210> 24381

<211> 955

<212> DNA

<213> *Aspergillus nidulans*

<400> 24381

gcaggtgcaa tgtatccctg gagcgaaccg ggtattatag tcgcatcac ccttggcgga 60
gtcctcttca ttgtgttcgg aatccaacag acatactgca tcctcagac ggaggagacc 120
cgactcttcc ctgtggaact tgtttcgtgg cgccaacctc ttctctcgct gcttttcgtc 180
tgcggtgct gtactggtgt ttgcgtgacg gttccgacat atgtgatccc actgtacttt 240
cagttcactg aaggcgacga atcgcttcaa tccggcgctc gactccttcc gttcgtctgt 300
cttctggtct tcagctgcgt ctctggtggc tatcttgag gccgtctggg ttactatatt 360
ccgtggtaca tcatgggagg tgggttctgc ctgatagggt ccgctctcat gtataccatc 420
aagcccagca gcggtcctgg agccacctat gggtacagct cgctgattgg gttggggtct 480
ggcatgtacc ttcaactagg ccatgcggta gcgcaagcca aagtcaagcc ggagaaagtc 540
ccggcagccg tggcatttac cacaacggcg cagctgaacg gactaacgtt tgcgcttgta 600

ctgtcgcaat gtgtcttcgt aaacgaggca gcgaagcgtg agtatctcct actgctgaat 660
tccttcagcc attaccgtag tcgtggcaat tataagctaa taccctttaa ctataggcat 720
cggctggatc ctccctcatg aaccacgttc gacgattgtg gacgcgatct caggaaccgg 780
gtcaactttt gtgcaggagt tgccaacagc tacacaaaat gaagttctcg gtgcaattgt 840
aaccgccatt gatcggacat atatcctctg catagttgca gctgctgtga ccttgctcgc 900
gactttagga atgaaatggg agcgtctatt catcgaggct gccgctgcag cctag 955

<210> 24382
<211> 204
<212> DNA
<213> Aspergillus nidulans

<400> 24382
atgtgctcca atcaggaccc ctcccagcca aagaagaaag agactcgtgc tggcacacgt 60
agagtaacat cgctcaccgc agagcaactg gagagaaagc gcgccaacga tcgtgaggcc 120
cagagaacta ttcgacaacg aacaagagag catattgagc gactcgaact tcaagtggcg 180
gagctgaaag ccaagggcga ttaa 204

<210> 24383
<211> 660
<212> DNA
<213> Aspergillus nidulans

<400> 24383
atgggtgaaa gcaagagact cagcagcagc tcccgcccag gccaggacga gagcgagaag 60
atccaggaag tgcagtacca gacccgcagc cgacagaatt cgaggataga tcaagatgac 120
accacattct ttgacgaaat caaccctgga ggaagggctg agttgactcg tattgcctcg 180
aactttgcca ggcggacctc tacagcggca tccactacta ccgggaaggg cattgagcga 240
atggacactg tcgacgagat gacccttgag gatccggcat ttgatccac aagcgatcag 300
ttcaatcatt acaagtgggc ccgtaagatt atgaaactca tggacgagga aggtgccct 360
cgacctccgt cgaccgggat cacttttcaa aatctcaatg tattcggctc ggggtcagct 420
ttacagtacc aggataccgt ggtctctctg ttgactgcgc cattgcgcct ccacgagctc 480
cttttcaagc gagctcctga aagacacatt ctgcacgatt tcaacggtct gatcggtagc 540

ggtgaactct tgattgtcct aggacgacca ggtagtggct gttcaacctt tttgaagtca 600
 ctatgtggcg aactcaatgg tctgaaacta ggcgaagggt cgcacatcca gtatggaggg 660

<210> 24384
 <211> 758
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24384

gatacggttg aagggcaact cctctgtctc gatacccttg gggttttgtt ttattatttc 60
 catgcattgt aatagttctc attttactac ttttcgtccg acatccgtca tccccaggag 120
 gtatattaat acccgcgggc acaccgccgt ctataagggt cgtgatattt ctcaagaatt 180
 tcggttcgtg cacctcacgt gtctaactat cccattttac aggaaaataa gtgagaaata 240
 cgacaaagtt ttcgcgacgg gctgtcagcc catcaacacc gatacacccc gagcgaacgc 300
 ggctttcgtc gtgctcgcaa gaaataagga aatcgatggc gttatccagt caatgaagtc 360
 gatcgagcga cacttcaacc gctgggtaccg ctacccttat gtttttctaa acgacgccga 420
 gttcgacgat aacttcataa atactgtgaa gaactataca agtgcgcccg ttgagtttgg 480
 gaagatcgat gagacaatgt ggggttacc tagttgggtc gaccacgagg ttgctaaaga 540
 aggcatccgg aaacaaggag atgccgcaat catgtatgga ggtatggaga gctaccatca 600
 catgtgccgc ttctactctg ggtaagccac cttcggacag cgcttgccgt caaatactca 660
 tcctgcccag gttcttctac aagcacccgc tcctcctgaa gtacgagtgg tattggcggtt 720
 tggagcccga gatcaagtac ttctgcgaca tcacctag 758

<210> 24385
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24385

aaattacaag tgccaaggcc ctttttgtca ttgacgacca agtcggcctt gccaccgtcg 60
 ttcgcgccta cagcaccaac gacttccgta acaacatggt cgcccacgct gctatcggca 120
 aggcgtttga catccccgtg ctgacgacct cctcggacga aggccccaac gggcagatgc 180
 ttaaggagat tctcgatatg taccgaaca ccacggctgt ccgccgccag ggcgaggtca 240

atgcatggga taacgaggag ttccgcaacg cctcaaggcg acggggaaaa aagcagttga 300
 ttgtaggtgg gattgtgaca gaagtttgta agtctctata gttatttccg cgcttaactc 360
 gatcttacac tgactggatt ttgcaggcac tgcgttcctc accctctcca ttgtcgatga 420
 agg 423

<210> 24386
 <211> 335
 <212> DNA
 <213> Aspergillus nidulans

<400> 24386
 gatgaaaccg tggtaaacgg tgcgcagatc ttctacaagc atcaatttgg catagcagac 60
 gagaacatct ccagacacaa ttggatttca ggattggta atgccgctcc ttatctatgt 120
 tgcgctatcg ttggttgctg gctgacggtc ccattcaatt cttggtttgg ccgacgagga 180
 accattttta taacttgcac cttctcggcc acgacatgtc tctggcaagg atgttgcagt 240
 acctggtggt ctttatttat tgcgcgcttc gcccttgggt ttgggatagg cccaaagtcc 300
 gctactgtac cagtatacgc agccgaaaca ggtga 335

<210> 24387
 <211> 1162
 <212> DNA
 <213> Aspergillus nidulans

<400> 24387
 cgagaaaaat gcgatgacag aagaagcgca taaactcatc aatgcgattc aacaaatgga 60
 ggagtccctg gttgacgaga aagccaatgg ccagtacagt ctcgacaacg atgatcttca 120
 ggttacttat cccctcaatc gctgcgtcgc cttcctccga gaacaacaca gcgcaatcgg 180
 caaactacat aggcagcgct ttgaacaagt gaagagtacg cggttcccta atgctccggt 240
 attaaagttg ctaacaacat acagaactgg tcgaagccct cgagtcatat tcgtcccacc 300
 tcgaaccctc cttcgttaca ctcgagcttc ctcccacagc tcttggtatc tcggttgctc 360
 cgagcttcga tctctctcca acgtacgtca cggccctcga taacgagttt actagagtgt 420
 acgaagaata ccaccgccgt cttgagctcg tgaccacaac atgcgaagaa atcatcaagc 480
 tctgggccga gcttgggaca cctcaggcac aaactgattc cagtattggt cagcactatc 540

gcgagtcgcc cgaacaacta ggacttcatg aatcggactt ggcaaacttg ctgcgcgta 600
 gggagaaact gctggatgaa aagagagggc gcgagcgcaa gttgaaagat ctcaaacacg 660
 ccgttgaagg gctttgggaa cgctttggcg tcgaggaatg tgacagaaag gctttcctcg 720
 ctgcgaaccg tggctgcggc cttcgtacta tcaatgagtt tgaagaggaa ctttcccgtc 780
 taaacgagtt gaagaggcag aacctacacc ttttcgtgga ggacgcacgg tgccggctgc 840
 aggagctgtg ggacgggttg tattattcgg aagaagagat gttggacttt acacccgcct 900
 tctctgatgt ttacagcgat gcactcttgg aggctcatga ggcggagatt gcacgcctag 960
 aagctttgaa agaacagcgc gctccgattc tgaatttaat cgacaaacat cgaagccttc 1020
 ttgcagaacg agaggctttg gctgtttcca gccaggacgc gtctcggttg atggctcgcg 1080
 gaaacaaggg agaacggcgt gatcccgaa agctactcag agaggagaag atgagaaaaa 1140
 gaatcgccaa ggagttgccg ag 1162

<210> 24388
 <211> 551
 <212> DNA
 <213> Aspergillus nidulans

<400> 24388
 aagaattcgg ttctcctcac aattgacct accaaggccg ttgccgacga agcaatcgct 60
 cgcaaagact ctgtcgttgt agcatatcgt acgcaatccg tgaacaatgg ctataacaca 120
 gaccaagctc accaatctat cgttcagatc ccattatctt ccgcggcctc aaatccctca 180
 ctttcaatga cccccaacaa cagtcactcc tccgcctcgc cgcggagggc ataagcgtct 240
 attctccgca cacggccggt gacgcaacct ctggtggtat gggcgactgg ctctgcgacg 300
 ttgtcacggg cgcaaccact ccatactcgt cgtcctccgt cgccgacct gaatcccccc 360
 cctccgccct ctactccgcc cccacatacc ccaaacctgg gcccgtttca ccttgcacct 420
 catccaaaat aatccccccac accogaagca caatccacct ctccccggct cccgtcccct 480
 caggcccggg agaccaggg atgggcccgc tagtcacatc cgcggagccc cacccttggc 540
 ctccgcattg a 551

<210> 24389
 <211> 732
 <212> DNA

<213> Aspergillus nidulans

<400> 24389

atgcttcgag agcgaagga tgttaaactc agagatggac atctcgctta cctgcttcag 60
cgactcacgg ctgatatcga ggagccagac cgccagggtg tcactttcaa cttcattagg 120
gcggtcatgg ctcgcaagtt tgtggtgcct gagctttacg agctcattga caacgttgcc 180
atgatgatgg tcacgaatca aactcgggtcc gcgctgatac ttgcccgtgg tgtgtacatc 240
cattttctca ttgagtatcc gcaggccaaa aacagggtga cgaaacaact cgctttcttg 300
gctaaaaatc ttgagtacaa acatcaagac ggtcgtcaat ccgttatgga ggcgattcac 360
atgctgctct ctaaaacagg gcaagagttg gcccaggaca tcgttggtac attcttcctt 420
ccgattgtca ttgtcatggc gaacgacgat gcggtcagat gcaggagat ggctgggtgcg 480
ttactcggtg aattctacag gagggcggac cgagagacga tgaaaactat ccttgagcca 540
cttcggtcct ggattgagca gatagagaat cctccgctcg cgagcactgg attacaagct 600
atgagaatct acttcgaggt ggaggagacc gacaaggata aggaggcagg ctttgttgct 660
cagacccttc caacgatcat acagcccatt atcagagata cagagacgac caactggcaa 720
actctgtatt tt 732

<210> 24390

<211> 540

<212> DNA

<213> Aspergillus nidulans

<400> 24390

atgcgaaagc ttggctattg gatcgagctc gcgaagctgc tggaacgggg aggtattaat 60
gccgtcttcc tggccgatac ttacggcggg tatgatacct acgagggcaa gctcgatgaa 120
tgtatccggc gcgcagccca atggcccgtc acagacccaa ccattgtatg tcacttgtgc 180
cgtaaattga gccaaacagg actgatatga gtccagccca tctctgcaat ggcagccgtg 240
acaaaaaacc tcgccttcgc aatcactgcg tcgacatcat ttgagcctcc tttcctcctc 300
gcaaaacgat tttcgacatt ggatcatatg acggacggcc ggatcggttg gaacatcgtc 360
acttcatgga agaaggctgc cttcaaggct attggcttgg actctccaat tgagcacgac 420
gagcgggtacc gtcaagcaga cgaatacctt cgcgtgctat acaagtatgg catcacctgc 480

attccaagtt ggtgactgac gcttatccat ggcaggctct gggagggatc ataggctccg 540

<210> 24391
<211> 226
<212> DNA
<213> Aspergillus nidulans

<400> 24391

gcaggaaacg acgaatcttc aacttcagca tgaagttcct gctggatggg acggttggtg 60
ggatcattaa tattgtcctc ttcgtggccc tgatcaacct gctcaagggg gagagttgcg 120
gaaggggtgtg ggaacttggt ttcgaggtat gtgtttttct cacttcaaaa ttcactggtc 180
gagttcgcgat tgatttgaat aatgaatctg caaggttgga cagtaa 226

<210> 24392
<211> 229
<212> DNA
<213> Aspergillus nidulans

<400> 24392

gttcgcctac gcgaaggcgt acaaagccgt aagggcgaaa ataccagaac cggcgagca 60
ggttttctctt cgtgtccagc cagtatatgc gcggatcacg cccaacaac ccgtcaatcg 120
agctgctgcc atccgtcaag cccgcagccg ctacttctcc acccgcgctg caggcccgtt 180
tgcttcatac ttcaaagcgg cagtccaggg cgacaagact gccttatag 229

<210> 24393
<211> 279
<212> DNA
<213> Aspergillus nidulans

<400> 24393

cgcgaggatg ccttacctcc tgcggggacc acaacagaag aacagacctg ggttggtggc 60
gaaccaggca aagttcatct ccgatcatgt tcgggtccat attccgtttc gaagctcaag 120
aacggtgggc cgcaacaacc gccccgaaa gtgtccaacg gccgtgccaa aacagtgccg 180
gtacgtcgtg tagaagccgg agaacttcgt ctcgagttat gggtggaaga ggcacggcag 240
aagttcaatg aaccggtgga ttctgagcat ccgccataa 279

<210> 24394

<211> 709
 <212> DNA
 <213> Aspergillus nidulans

<400> 24394

```
atcaaccgcg tcttgcggcc tctctccgc accgtaccct ctctccgcc ttcggtatc 60
cgacccttgg ccagtcgtcc ccttgagagg ggtgtttgcc cttaaacctt aaagcgctgg 120
gaagttgcta tcagtcatga caatgacatt tattataact gattgctaatt ctgtcacttc 180
aacagcactt atgcattctc tactacatgt cgccggcggg aagccgatct gaccggcctc 240
acgccgacgc caatcacaca cctttccgaa accgagtcaa tgatggccga gacagtgtcc 300
aaatttgctg aggagcagat tggcccgaaa gtgcgggaga tggatgaagc agagactatg 360
gaccccgctc tggtagagca cctattcgag caaggtatca tgggcattga gatccccgaa 420
gaattcggtg gtgcaggcat gaacttcaca gcggcgattg tggctattga ggaacttgct 480
cgtgtcgacc ctacggtcag tgtcctggtt gatgttcaca acactcttgt caacactgca 540
ttcatcaagt ggggtgacgc ccaggtccaa cgacgtggc tgccaaagct ggctaccggc 600
acggttggtc ccttctgtct ctccgagcct gtctctggct cagatgcctt tgccctccag 660
acaaaggccg agaagacggc agaacggttt aaattgaacg gatcaagat 709
```

<210> 24395
 <211> 546
 <212> DNA
 <213> Aspergillus nidulans

<400> 24395

```
atgtctgcca aagaactcac tttcaaggag gttgccgagc acaacaccaa gaaggacctg 60
tacatgggtca ttcacgacaa ggtctacgac tgcagttctt tcgtcgatga gcaccgtac 120
gtctcacgta tcttcagct ttttgatgtt caccgcattg gacatgccat ggactgattt 180
ggtataatta tagtggtggt gaggaagtcc tcctcgacgt gggtggtcag gacgccacag 240
aggcctttga ggatgttggg cacagcgacg aggctcgca gatcctgcag ggtctccttg 300
ttggtgacct gaagcgtctg gtgcgttccc cctgtcatgt cgcttggaag cgatctttta 360
acaatatttg tctattagcc cggcgacccc actcctaaag ttcacggttc atcctccagc 420
gagtcttctt cctctagctc cagtaccggc ttcggcttcg gtctctacgc gatccttctg 480
```

atcgggtggcg ctgctgccta cgctgcctac cagtacctcc aggcctctgc tggcgctgag 540
cagtag 546

<210> 24396
<211> 785
<212> DNA
<213> Aspergillus nidulans

<400> 24396
atgaatcggg ctttgactaa cgtcctgttt ggtggaattg ctgcccctca acaagcccag 60
aagaagattg agggcaaggc caccagacc agcgtggaag agacagtgga ctctctagca 120
aacgcagaaa gcgtcattat tgtaagtatc aatccttggc acaaggcctc tgctcatacc 180
ggtaggttgt cggatatggc atggctgtcg cgaaggccca gtatgcgctc gccgaaatca 240
cccacatgct gcgcgccaaa ggcattaacg tccggtttgc tatccatcct gtcgctgggc 300
gtatgcctgg ccaatgcaat gttctactcg cggaagcttc cgtgccttat gacagttagt 360
tacctggcca cccaaccctt tcttcgtgct gactagtaca gttgtcttgg aatggacgag 420
attaacgatg actttgcgga caccgacgtg actcttgtca ttggagccaa tgataccgtc 480
aaccocatcg cactggaacc agactcccca atttctggta tgcccgtgtt gcaggcgtgg 540
aagagcaagg aggttattgt gatgaagcgt ggcattgtcta gtggatacgg taggccttcg 600
ccttccttc ttggtttcac catactgact taagatagcc gatgttcca acccgatgtt 660
ctacatgcc gccaccagga tgcttttcgg agatgcaaag gccacgtgcg acggttaagt 720
tatttcttgt tcggtattga gtcctattct aacttctgca gccatcaaag caaacctcga 780
ggctc 785

<210> 24397
<211> 283
<212> DNA
<213> Aspergillus nidulans

<400> 24397
aacttcgcct ttgcagaccg cgatatcggc gtcacgcacg ccacgtccgc gtctacggag 60
ccgtcgcgcc gcagaaagtt gcctctcgca caggcagcca gcgctcattc cagctcagct 120
acaagcgtga agagacgctg ccttcgtaca actcgtcaag tcctgtccga cgcgtctcaa 180

cggcgagcat ttccccgttc cccgtcaaaa tctctccgcc gctgaatccg atgccgatgc 240
 ctatgtcggg gcctacaaat tcgaactacg ccccgtcgtc taa 283

<210> 24398
 <211> 324
 <212> DNA
 <213> Aspergillus nidulans

<400> 24398
 atgggtgtta ttacccccct gtactttgtc gcaaccaa at gccgaaactc ccaagtccgc 60
 caggaggcta tcgaggattt atcaaccata ccctatccag atggcgtctg ggaaggccgt 120
 attcttgaag tgatagcgca gcgggctaaa gttgtcgaag aattcggact taatgctgat 180
 cagctagtcc ctgaatttaa gaggatccat gtccttgggc tggcagtcca tcctgagtcc 240
 cgcaaagtct gcgtcgaatt tcggaggagg cctaattgta tggacggcga atgggaggag 300
 tgggaggagt ggattagtta ttag 324

<210> 24399
 <211> 1124
 <212> DNA
 <213> Aspergillus nidulans

<400> 24399
 atgtacgacg ccagctttgc ggcgcgggtc ttgttttcag tgttggtcgg ccttacgacg 60
 atcatccata ttgttcaggc aatcatgttt aagaaggtag gtccacattg tactgaagac 120
 aaataaaaaga gaaaaacaaa aaagaagaga taaggaaaaa gacaatgaag gaaagctaac 180
 ggattcagcg ctatgcttgg gttgtaatca tgagctcact atgggaactc atcgccttca 240
 ttatgcggtc cctcttcgca aaaaacaaa gcagcgacgc ctacaacact cccttcacaa 300
 ttttctttct cctcgtccca atctgggtta acgccttcct ctacatgacg ctcggccgcc 360
 tcatctactt ctctctcccc agcggccggtc tcggcggcat cggtgcaaaa cgcttcggac 420
 acatattcgt ctggctggag atcctggcct tcatcatcca gcttggtggc gcggcattca 480
 cgacggacac agaggcatcg caggagacga tcatgcgcgg ggtgcatatc tacatgggtg 540
 gtattggcgt gcaggagcta ttcatttga ttttcaccgg gctgttcac cactgcagc 600
 ggaagatggg cgagatggag cggcatggaa ctttagatgc cgagaagggt ggtagagggt 660

cgatgccgtg gcggtggctg ttttacgcca tttatgcctc gctgttcctg atcacggtgc 720
gtatcatctt tcggttggcg cagtatgcgg acggaacgaa tatcgataac ccagcgcttc 780
ggaacgagtg gtttgagtat gtatgggatg cggcaccat ttttatttgc ttggctatat 840
tgaacgtggc gcatccgggg agagtgttg tggggccga tagcgagttc ccaaggtga 900
gtcgaagga gaagaagcaa aggaagagag agaagaagga ggccaagatt gcagagaaag 960
aggcgaagaa ggagaggaag aggaggagaa agcatggaag cattggcgtt gatctgctag 1020
atgcgcagga gaggggctcc gctccgactt cgcggccggc tcctggaggg catggatatt 1080
agggagagaa ccagaggacg tggtatgaca atcgtgggaa tgag 1124

<210> 24400
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 24400
aggtataacc taccgggctg gcatcagccg caggtttgcg gagatagtct tttgcgcat 60
ttcttctgat cagcaggta agggatatgg tgcgcatctg atgtcccatc tgaaagtaag 120
caagcaaatt gaaagcgtgc tcacctctgc gagtatcatt acttactgaa agctctttag 180
gactacgtca aggccacttc ggacattatg cactttctga cctatgccga taattatgcg 240
atcgggtatt tcaagaaaca aggattcaca aaagagattc aactggaccg atctatatgg 300
atgggctaca tcaaagatta tgaaggagga accatcatgc agtgcacaat gctcccgaaa 360
atccggtatc tcgaatccgg gcgcatgttg ctcaaacaga aagaggcggc ccacgcaaag 420
attcgtgcct tcagcaaattc gcatatcatc catccgccgc cgaaggagtg gaagaacgga 480
cctgtcaaga ttgaccggtt gagcattccc gccattaaag agtccggctg gtcgccggat 540
atggacgaac tcgttcgtca gccacgacac gggccgaatt ga 582

<210> 24401
<211> 965
<212> DNA
<213> Aspergillus nidulans

<400> 24401
caatcgtcgc acaagctgca gattatggac aatccaaact ctaaaactat attaacaccg 60

gacaatttcc ataatgtaca tacgatttca cgagccacat ccccggtgg tggacctgac 120
ggcgtcaacg gagacggcga gcctaaagca cgagtccgac cacgcacata tccttacttc 180
aagtacctgc catatcagac agaggatgag gccagcggg cacgatatct tcgagacata 240
ctgaccagc tctatattgc ggtggaatcg ggcgatttca gtcctggtgc ggtgcactgg 300
acacgggagc tgagagcatg gctatcgctc aagtttgacc cgaccgcag tgaccggatc 360
aagcttgta agctgtacta tgagctctct ctagctcccg gcatcgacc caacgtcgcc 420
gagcgttttt cgagcatggt catgcttctc acaaagttag tgcaactcta tcttgaggt 480
attttacgca tgccaatgct gacatagtcc cagacgcaag cattaccta ggccaattaa 540
ggacctgacg ttggactgga gacctctgta cagagaactc aaagcattcg ttctccaac 600
agaatctggc ctggtacatt cttcgaacct caagcggaat gtcaagactt tgacaaagct 660
ctgcgcattt atccagctct acgttgatcc ttgtgagctt ccagccatgc tggaggagtt 720
ccttccgcat tacagcacct ctttctcaga aggcgcgttt gtcgtagtcg gactaatcaa 780
tttgcttgct cccacaacct caccaccgga gtcaagagag gatttactac cgcagcatta 840
tatgccaaca tacttccatc tttggtcctt ggtagccgg tcaaaaactt ttgatcagac 900
gttcctcgac ttcttcaaca acggcgcgga actcattgcc tgctggacat attccgtttt 960
cgaa 965

<210> 24402
<211> 303
<212> DNA
<213> Aspergillus nidulans

<400> 24402
cgaagatggt tactgaccgg acagcttaac gtgcaaatca tggacgagga ggaccagttg 60
cgctttggct tcgacctttt cgaccctacc aagattgtcc ctgaggaata cgtcccattg 120
accccgctgg gcaagatgac cctcaaccgc aacccccgca actactttgc cgagactgag 180
caggtcatgg taggttctt cctccccctt ctgtatccct ctctttgccg tttctaacag 240
taacagttcc aacccggcca cgtcgtgcgt ggtgttgact tcaccgagga tccccttctt 300
cag 303

<210> 24403

<211> 838
 <212> DNA
 <213> Aspergillus nidulans

<400> 24403

tatgattcag aaccctcaaa tttcccgaag gtggctcact agcgggtgcag aaaccagttt 60
 atcctacagc gccattcttg gattacggga agaccttgta cgacctctc gctcgatagc 120
 aagctccaag ttaatagcaa tctagaatct ccatggacaa gagttcagct gggcttcttg 180
 tatcttctac attgggtatc tagctgcctc gtaccctata tcaattggat tcgtcagggt 240
 tcctctggga cgttatctca gcgctctcat gtaagttgtc tcctgtctat tggcgctcta 300
 cttggttgac catgcccagt tttctttggg gcgtagtcct cactctccac gcctgtgccc 360
 agaactatgc cggctctatg gtgctacgag cactgcttgg tatatttgag agtgctatca 420
 gccctggctt ttcactaatc accggaatgt ggtatacacc caaagaacat gtctctcggc 480
 actctttttg gtttgccgaa aacgccaccg ccagtcttat cgggtcaggc atcgcgtagc 540
 gcacccaata atacacaggg ggattcagca aatggaaggt cagtctgttg ctagttattc 600
 ctggataaac attctaatat cgactgtaga tgctctttct catatttgga ctcatcacag 660
 ttgctgtggtc tgtcttttta tgggtcttcc tccccgacga cccttcgtcg gcgcgtttcc 720
 ttaacccac agaaagagaa ttcgcatctt tgcggccaaa gaagttccag cgcactactc 780
 agacaaaaa gtgggataag tgccaattta tcgagaccat gaaggacgtc aagacatg 838

<210> 24404
 <211> 1117
 <212> DNA
 <213> Aspergillus nidulans

<400> 24404

gttccgctca cccacaagaa cctgacaact accatgagtg agtgtcgcgg tatcgcttct 60
 gacataggac taattccggt ctagggaaca ttcaagcaac gtacaagctc acccctcagg 120
 atcggactta cctgggtgatg cccttggtcc acgtccatgg cctcttagcc gccttccttg 180
 ctccccttgc ctctggcggt tcagtaattg taccaccaa gttctctgct caccagttct 240
 ggtcggactt tatcgaatac aaggcgaact ggtactctgc cgtgccaaacc atccacaaa 300
 ttctgtcaa gtcgccgtg cccaacccta ttctcaaatt ccgcttcac cgtcctgct 360

cctcgccgct gtcaccaaaa accttccagg atctagaaaa aaccctcaat gccccagtac 420
 ttgaggccta cgccatgacg gaagcggctc atcaaagac gagcaacccc ctgccccctg 480
 caaagcgaca gcccggtagc gtgggtattg gtcaaggcgt cgagattaag attcttgatc 540
 aatccggaaa cgaagttcca cagggacatg aggcagaaat ctgcgttcga ggagaggaat 600
 gcacgaaagg ataccttaca atccagctgc caataagtca tctttcacca aagacggctt 660
 tttccgcaca ggtgaccaag gcaagaagga ccctgacggc tatgtaatta tcaccggccg 720
 catcaaggaa cttatcaaca agggcggaga aaaaatcagc ccaatcgaac tggacaacac 780
 gcttttgcaa aacccaacg tcggcgaagc ggtctgcttc gccattcctg accccgggtca 840
 ctacggcgaa gacatagggg ccgcggttgt tttgaagagc ggtcagaatg ctactgaaga 900
 tgaattgaag tcgtgggttc aagagaaact ggctaaattc aagaccccaa aacaggtaag 960
 ccagctatct ctctgcccct gaccgggctg ttgcatcttt actcacatca atgccttgaa 1020
 gatctggata gtacagcaaa ttccaagac ggcaaccggc aagattcaac gacgcaagg 1080
 tgcagaggcg atgctgaagc ccaaggctaa gctgtaa 1117

<210> 24405
 <211> 240
 <212> DNA
 <213> Aspergillus nidulans

<400> 24405
 gatctctcaa accgcttccg cctcatcgcc acctatgcgc tcgccggttt cgccaatatc 60
 ggctctctag gtaaccagat cgggtgtgctt gctcagctag caccagccg tggcggcgat 120
 gtttcccgcg ttgctgtgag cgccatgctt acgggtgcga tcagcacctt cacgtctgcg 180
 gcgattgcgg gactgttgat ccagaatcag gagcagtata tgaccactgc tacttcgtaa 240

<210> 24406
 <211> 598
 <212> DNA
 <213> Aspergillus nidulans

<400> 24406
 gatcatggga aaacatcggt gacagacagc cttattgcca caaatggcat catctcgccc 60
 aagctggcgg gcaaaatccg ctacctggac tcgctgccag acgagcagct acgcggaatt 120

accatggagt cttctgcat ctctctcttc ttctccatga tgcgccgctc tgctccagat 180
 gcccaacctg aagcaaagga gtacctaata aatctgattg actccccagg acacatcgac 240
 ttcagcagtg aagtatcaac agcttcgcga ctatgtgatg gagcagtcgt cctagttgat 300
 gctgtggagg gtgtctgtag tcaaacggtc accgttctac gtcaaacctg ggtcgaacag 360
 ctgaaaccga tcttggtcat caacaagatg gacagactga ttactgaatt gcaaatgacc 420
 tctgcggaag cctattctca cctaagcaga ctcttagaac aggtaaacgc cgtcatcggt 480
 agcttctacc agggagaacg aatggaggag gatctccagt ggcgagagcg tatggaggaa 540
 cgcgtcaatg ccgctgcccc acagaagcaa gcacaagatg gagaacctgc tgaaggag 598

<210> 24407
 <211> 254
 <212> DNA
 <213> Aspergillus nidulans

<400> 24407
 cggaatatga gttttaccag ttcgcaacac ccaatcgcaa tgctctgtcc acggcatcct 60
 tcttgaaaga gaacccggtc gaggcgctcc cgtcgatcac agacgggatg ttcggataca 120
 gtttgacgcg tccgattcat aaccaagact actactacgg catctttgat gcctgcgagc 180
 aatttaactg tgagatcgag ggggtggcaca ccgagagcgg accggggcgtt tatgaagcgg 240
 tgggtgacta ctga 254

<210> 24408
 <211> 932
 <212> DNA
 <213> Aspergillus nidulans

<400> 24408
 agggtagcat tcgctacgtg ggtatctccg ggtaccagat tgatgtgctg tgtgacctga 60
 ccgaattggt gttgcgcgag accggcgacc cgcttgatgt agtcatgtct tacgccaact 120
 ttaccctgca aaacacacga cttctgacgc agggctctacc ccgtcttgct gcagctgggtg 180
 tggacgttgt cccgaacgca tccccctctcg gcatgggtct attgcgaaga aagggcgtgc 240
 caattggcag tatgggcgat ttccaccag caccaaattg ccttcggaca gccatccgca 300
 acgccgcaga gtgggcagat acccaaggcg aaaagattga agttattgca atccgcttcg 360

cgctcgagtc	ttggctgcgc	gacgggtgcaa	aggcaggcgc	tctcgggtccc	cctctcgcgc	420
gcagccctga	ctcagacccg	agcttctct	ccgctgcaaa	catgggcaca	ggcgaacgtt	480
tgggcgtgag	tgtcatgggc	gtcagtaaca	ttgaggaatt	aaccgagact	cttcgtgttt	540
ggcatagtat	tgtcgacggc	ctcgagaaca	aagacgacga	cgctgaggat	cttgaactgg	600
tggcaaatgc	atccactgtc	ccctctgcac	ccagcgcacc	agccatcctc	acaccctccg	660
atggtatcat	cacagaccgc	gtgtgggtccc	gcgagcgccg	cagccgtatc	ctatatcttg	720
caaaggagat	ccagtctatc	ctctccccta	tgtgggtgga	ttatacatgg	cccagccctg	780
gtccagactt	cgtaaatacc	ttaccagccg	accatattgc	cgactgaat	gagcaaccag	840
agaaaccgga	caaaaacaat	gctatgatga	cccctccctt	ggatgcgcaa	cgggagatcg	900
agatacccg	ggacaatgtt	ccgtcactat	ga			932

<210> 24409
 <211> 386
 <212> DNA
 <213> Aspergillus nidulans

<400>	24409	
atggatgcaa	atgagaatgt	tggcctcaaa aaggtaggca tatgccttgt ggaacggaga 60
aagtgactca	ctgggttcgta	gcgcttgaaa tccgccctct ggctatccat tggaaagatt 120
gtggatgagg	agacaatcaa	gctcgggtgtg aacgccacac ctcagttcat tgggtgactg 180
accgagcttg	tctgggttca	gataggtaca tcctcccagt tttaaaccctc ccatatagat 240
atggaatgga	gcgcagaaat	ggcatctggc tttaatttgg gcctggggct gtttattgcc 300
attctctgcc	ctttctacgt	tggaaagtgg ctgacagagg tcatccgtat agaaacggcg 360
agtcaagatc	ttgaaagctt	cgcgaa 386

<210> 24410
 <211> 538
 <212> DNA
 <213> Aspergillus nidulans

<400>	24410	
atgaaagtcc	gtgacatcct	taacaagtca ctagaatcca tcgttcacaa ccggaaaaag 60
gaccaggaaa	ctacgaccgg	taaatggttc tcagccctgg tcagcgagaa cccctggtac 120

aaagacgttg tccctgatgt acgcttatac ctcatatgca cacatatggc ttactaacia 180
 ttcagttcaa aaaccttcca aaagaccaat tggcgcccg tgttgacaac ggcaggtct 240
 tcacctcagt ctgcatcaac actgcggtat atctaccctg gctagtcggc caatgccgta 300
 agaacggcgc agtgttcaag cgggcagtgt tcaagcatgt ctcagacgca gcgaatgctc 360
 accattccgg gcaaccgcc gatattgtcg tgaactgtac cggcctagca tctaaaaagc 420
 ttggcggtgt ccgcgacgac aagctctacc caggtcgtgg acagatcgtc attgtccgca 480
 acgatcctgg taaaatgggt tccatgtcaa gcacttatga cggtgaggat gaacttat 538

<210> 24411
 <211> 2179
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24411

gagatgatgg cagacatggg gatgatgagc agcctcatcg ggaagccttc atcacccaat 60
 tcagggaaca caacagctac aggtaaggct ctagttattc cctcttaatt ctcgggcttc 120
 aattctaaca tcgcagtaga agatgccac agtagcattg actcagctgt cgataagagt 180
 agccaaagta caccgccact cacgaatacc agctactcac cgaccaccac agccaccacc 240
 accaccacca ccaccactgc ttcctctagt ttatccagat cagcgagtca gaaacgaaag 300
 tctgtcggtc cggagttcga ctttgaggag acgcaggtat ctttccagcg ctctcccgcg 360
 cttgaagagg attccgatga cgattccgac gatgggttat ttgcgatccc gctagcaaac 420
 acgaagaatt ccgtcaagcc tgggtcccct gacactcaag caagaccacg gaaaccgtct 480
 ctactgtcg acaccgaagc taagccccgt acaggtttga gtgttagttt caagtcaccc 540
 agcgctacac gcgagacgtt tgcgagctcc ggtggcgatg cgagtaactc gactgcgcct 600
 tacttcattg cgagcaattc tcccaggaa gagaaaacac cgattagacg caactcgtta 660
 cgcaactcat tcgcaaccgg cgatgtttgg gcgagccgtc ctcccgtcga ggggtgcatt 720
 gatcagctcg acgacttctt cccagatata gatttagatg ctcttattt agatgagcag 780
 ggtacgtcgc caccctcttc gcctgccagc aaggctcgca tcgacaacga gctcaaccgt 840
 aaagacaagc aagaaaactc tcaccacgga atgcagccac ctccagctcc ggaagataat 900
 acacttggct cttcggagcc caccatgaca tcgcacggac agggcatcgt cgcacgtcgg 960

aatgtcagtc gttctggtgg aggtcttacg cgaatgaagt ccattcgaga agttgccaaa 1020
 ggtgcaaadc aagcaactag acaacgcagc gtggcagctt ccagtggaaa taagaggagt 1080
 ggggatgttc atcgtcgcaa aagcacaaaa atgttcggag ccaagattat gcagattagc 1140
 cccaggcgcg gcagtcaact cagtcagctt gacccgattc ctcaaaatag catatcgtcg 1200
 agctcgaaac ctgagagaca accaactttc cgcacatcc gtgggtcaact tattggcaaa 1260
 ggtacttatg gtaggggtata tctgggaatg aacgccgaca acggtgaggt cttggcagtt 1320
 aaacaagttg aaatcaatcc tagacttgcc ggacaagata ccgataagat caaagagatg 1380
 gtagctgcgc tggaccaaga gatcgacaca atgcaacatc ttgagcatcc gaatattgta 1440
 cagtatcttg gttgtgagcg cggcgaatta tcaatctcta tctaccttga atatatctct 1500
 ggtgggtcta tcggcagctg tcttcgaaag caccgcaaat tcgaggagag cgtgggttaag 1560
 tctcttacgc gacaaacctt ggaagggcta tcctacctgc ataaccaagg tatcctccac 1620
 cgtgatctca aggcagacaa tatactgctc gatctagatg gaacctgcaa gatttccgac 1680
 tttggcatat ccaaaaaatc aaacgacatc tacggaaacg actcctcaaa ctccatgcaa 1740
 ggatccgtat tctggatggc gcccgaaatc atccagtctc aaggccaggg ctatagcgcg 1800
 aaagtcgaca tctggtcctt gggctgcgtg gtgcttgaga tgttcgctgg acgacgacnc 1860
 taagcaaaga ggaagctatc ggcgctatct tcaaacttgg aagcctgagt caggcgcttc 1920
 ccattccgga cgacgagtct atgaatgtca caccgcctgc gctcgctttc atgtgggatt 1980
 gctttactgt gtatgtctca tgcttccttc tttactttca agagacaagt aactaacctg 2040
 tttcctgtgc aatagagaca catctgaacg tccgacagct caaaccttc ttactcatcc 2100
 tttctgcgag cccgatccga agtataatct ccttgacact gagctctacg ccaaaatccg 2160
 tcctgtgctt gagaattaa 2179

<210> 24412
 <211> 1109
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24412

gtattccacc ggaaaccgtt tctcccaagt ccttgatggc tcaaaatccg ttcgctgagg 60
 cctatgccac tcctccgtct atgacttcgg tgggtcagca gcccatgctg ggggcacact 120

cgagagcag tatgttttca tctccatgg caacaagcgg agatttctct aatcctttca 180
acctaccttt cggaatagt gccctacgaa ctaccatac ccagcctca accgatacct 240
ttaccgactc cactcgacgg gctttattag ccagcatggc gcagcccgca tgtttcagtc 300
accgcaaata ctctcaacct gcaaccggaa tgattcaatg tcgcatctc tactcccgt 360
cttcttccag cccacctcc accaaccaac tgcctagcac cgcagatatg cagcgattca 420
tctccgccta catcacctat ttccacctc acctgccatt cttcatatc cctagtctta 480
atttccaagc acccgagtat acgaacaatt tacgcacccc gagcgccac cttaatctca 540
gctccaccgg tgttggtggt ggtgggggtt gcttgatctt gtccatggca gcaattggag 600
cattatacga acttgacaca gccgcctcaa aggatctctt tgaagcctcg aagaagatga 660
tccagcttta tctcgaggaa cgtcgtaagg ctgacatgtc aaccgcggtt tctcggtcct 720
ccaagccggg tgataattcc gttcacaaca ctccgctttg gcttggtgcag gcaatgctcc 780
tcaatgtcat ttatggatcat acttgcggtg acaaacctc gccggatatt gcaagctctc 840
actgcgcagg attggtcagt cttgcgcggg cggccgagtt gactgccaca tcgatgcaag 900
gaccttccca ggatacctca cgctgttttg cagaaaaggc cttccaggca gttctccgaa 960
atccagaggc acatcggccg caaagaaaga gcctgctggt tgaatatgcg ggaggaagac 1020
ctttgcattt gccgcctgtc ctatccggca tctccctgtt actatggacc ccgctccccg 1080
aagagttggc tggtgccccg aaacaaggg 1109

<210> 24413
<211> 395
<212> DNA
<213> Aspergillus nidulans

<400> 24413

agttgcaagt cctgaccgac ctccctcat acccgtggaa ccacagcatc agacactggt 60
ctgagtctcg ccgcaatgcc gcgtaccgta agcgcacgca ggagccgcat gagctgctgg 120
gcgtgctgga accgggcacg aaccgggacg ctgcctcgtg gaggcataatc atcaagctct 180
ccgaggcgcc gtggctgcgc gaccacgttg tccaggggaa catcctctac cccggtgcag 240
gattcgtgtg tctcgccatt gaggcaatca agatgcagtc tgccatgagc gggacgaatg 300
atgtgaccgg ttccaggctg cgcgatgtcg agatccatca ggcgctcgtg attgcggaca 360

gtgcagacgg cgtcgaagtg cagacgaccc tccgg

395

<210> 24414
<211> 931
<212> DNA
<213> Aspergillus nidulans

<400> 24414

acaccaccga agaaggtccc tgcagctgcg acaaagaaga gcggcttcaa accgctcgcc 60
gatgtcgaaa atgaatcgat cccaattgac gatgtggatg catccgagga agtaaaagcg 120
tctagcaaat accaaaaggt aaggagtcgt gctgaaggcc ctaaggagcc gtgcactgac 180
ggttctacct agttgaatct ccgtgaacat atcacaatcc gccagactc ttatatcggc 240
tcagttgagc ggaccacaca ggaaatgtgg gtgtacaatt ccgagattga cgggatggag 300
tttcgggaag tctcctacgt tcccggttta taaaaatct tcgacgaaat tgttgtcaac 360
gcggccgata acaagcagaa tgacgataac atggacgaga ttagagtaac ttacagccgg 420
gagaccaatg aaatcagtgt ttggaacaac ggtaaaggca ttccggtgga aatgcacgaa 480
gagcacggaa tgtacatccc tcagttgatt ttcggtaatc ttttgacgtc ctccaactac 540
gatgatgcca aggagaagat cactgggggt cgaaacgggt tcggtgctaa gctttgtaac 600
gtcttttcta ccgagttcac agtcgaaact caggattcga aaaagaagaa acgatacctc 660
cagacttggc cagacaatat gcaaactgtg ggcaaacta agatcaccgc tgctaaggga 720
tccgtcttca caagggtaac attcaaggcc gactttccca ggtttgcat ggatggcatc 780
gatgacgatt ttgaggcgct tatcaagcga cgagtctacg acctggctgg taccacgggc 840
gtgacagtca agctaaatgg aaccggtttg cccgtccgaa atttcaaaaa gtacatggaa 900
atgtacacga aagccatccg tcgagagcac g 931

<210> 24415
<211> 432
<212> DNA
<213> Aspergillus nidulans

<400> 24415

cgccaggatg gcgcatccca ccattaaaat tgatacaagc gtccaagcca acaagcgctc 60
gcacccggat aatgaggatg gagtcggcgt tgtggatgga tcagatgatg acaacccgga 120

gatggagctg ggggataatg aacatgttcc ccccttcctt cgccagtcgg ttcttggttg 180
 gtttgccttg atcacaattt ctgccacgat aaagtcattg gctcattatt tctctacatc 240
 tagatatccg tcataagttc gaagagctgg aatacatgca aggaactcga atcttgaggg 300
 ggtcccgggc gaacgacccc tcgcaccgtt gggcgctcga cgcggatccc gaagtcaggg 360
 ctaggaatcg atatgcaat gtacaagcgt gggcgaattc tcgcatacac ctacgggttc 420
 ctgaaggcga at 432

<210> 24416
 <211> 397
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24416
 ctcaagggcg tgttgtggcc cggaatggat atctttgact ctgccacgga gcaaataaaa 60
 cgaaagatcc acctgagtaa gcgcgagagc gtcctaaaga tgatggagag aacgtcgatg 120
 ggggtggagcc tactgaactg gtattttctc ctaccggcat cctgcggaag cagcgcgtga 180
 tctcgggcaa cgttgaagat agcagtcctc tgaaaggatg gacgccgatt ccaaagaagc 240
 gagccacccg cccaagcga gtttttgctc agatggaccc aaacactcaa cgcgggccgg 300
 acgggaaaag agctaggaag aacgtcaagc aagactgcga ccccatgag gccgatatag 360
 atcaacgttt atatactcct caacgagctg tccaagc 397

<210> 24417
 <211> 683
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24417
 atgttcgaga acgaccccggt ctccgccagg ttcctgaaag agcaggaatc tctctggaag 60
 aatacactga agctggagga ggtgcgcccc cgcgcgagga agggagagtt cgatgccatt 120
 ttctatgtcg gagggcatgg gcgtatgatt cccactagc cttcaagaat caggggttga 180
 aatgctaacg actgtcggtg aacagcaatg ttcatctcgc tgactgacaa aacctccatt 240
 gcgctaatacc agtccttttc taaggccaag aagccagtca gcgctgtctg ccacgggtccc 300
 tgcgttttcg tgaatgtcac tacaccctcc ggcaaaccgc tcgtcgcaga tgcggaagtc 360

accgggttct cgaatgtgga ggaggaccag gtcgatctgt ccaaggtgat gccgtttatg 420
 ctggaggatg agctgaacaa gaaatcgggc ggcaagtatg tcaaggctga tcagccatgg 480
 ggagagaggt ttgtggtcag tcagggtgaag gagtgggggc ggtccgctca tcacgggaca 540
 gaatccggca tgtgcgacgg gagatggtaa ggcacttctg gaagctctgg gcgcgtgagg 600
 ggcttatgac aacggatgat gcgctgagta atatggggga ggctgaccga ctgccaccga 660
 cctatgcaga tgtcaccac taa 683

<210> 24418
 <211> 374
 <212> DNA
 <213> Aspergillus nidulans

<400> 24418

atgtcttcaa aatcgttcgt cattcggacc cctgctcgt ccgcaaatat tggccctgga 60
 ttcgatgtca tcggtcttgc attgtccctc tacctcgagc tacaggtgac catcgactct 120
 tccaggacgt cgtcgcagca gccactcaat tgtgtcatca cgtacgatga tcaaagcaac 180
 agtccgaga agatcagcct ggacccggag gttaatctga tcacacgcgt agcctgtacg 240
 tacttagatg ccatgaccaa agagctttcc ccgttgagac ccgggttcat attgtaaatc 300
 ccatcccgt gggtcgggga ctaggttcgt caggaaccgc tgtggttgcc ggtgttatgc 360
 tggggaatga agta 374

<210> 24419
 <211> 936
 <212> DNA
 <213> Aspergillus nidulans

<400> 24419

tggacctcgc ccgaggcacc gcggatcttt gaagaaagcg ccaagtacgc ggacattgtc 60
 aagatgatcg cgatggtgga tagcgtggag gcaaactatg agcttgagta ctttcgctcc 120
 gcgattaagc agacgcatgg gacatatccg ctgttatcgg ccgtcaatat gggccagcta 180
 ggacagctat cgcggtgact aaacacggtg ttctcgcta ttacacatcc gctgcttcc 240
 atgattgcag cgccgggcca gttgaccgca gcggagatta atgaagcgct gcatatcatg 300
 ggccagctgc cgaagcggga tttgtacgcg atcggtcgt tccgagcgac gccccagtcg 360

atgttcatgg agaagtgctt caacgagctt agcctaccgc acactttgac ctctatggac 420
 cgcgggcccc cggtctcgct cgaacgggta ttctcacagc ccagtttcgg cggcgcgcca 480
 ttacaccac cactgagcag cactgcacat ctccccgcca tcagcgacgc agcccgcgca 540
 atcggctctg tagacacgat tgtggttacg agcccaggat ccctggtcgg cgaaaacgcc 600
 acgtggaaag gcatccgcgc gaccctgacc cgcgactacg tcccatcggc ataccgcggc 660
 cgagcggcca ttattctggc cggtccgaa agcgaagcgt cagcgagcat ttctgcccta 720
 cgcagtctcg gcgtgggcgc catctatacc gtcggcttcc gggcaacagg gccgctggcc 780
 gaggtctcg agccgtttac gtcgatccag tctgtgaagc tagtagaaca gccgtttgtg 840
 atagtttcgg cactgccgcc cgagaaatcg ctcttgtgc aagccgtgc tgcgtcacta 900
 ccggagtacg ggccgggcgt cgccgccgtc cactag 936

<210> 24420
 <211> 4252
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24420
 atggttctaa cgggaagtat ggacctcccg cgcaagcaac caggccttca gtgtcccttt 60
 agcagcaaac caagacctgt cttagcaag agtccaatct gggaactgcg catttcaaca 120
 aacggaagga ctttggagaa ccagctcaaa aaagtgaacc aacagcagga gaaggggtcaa 180
 atcggtgaga agcttcgctg gaaactggcc gatttgagc gtaattcccg cgaaataggc 240
 cagaagacgg cgcaagcgtt ccttgcacca aagcgccttg ctggtggaga tgatggtcac 300
 ctaggcacac cctctatgga ccagaaggtt tgctttagcc gcgcacaagc gattaacgcc 360
 ccagaaacag attgctaatt ctccgactct agtcgccgt ccattcagca ctattcgccg 420
 gcgaagctac caattcgctt agcaaagtga gcgtcccgtc gcgcaaactc cgaaaccagt 480
 cgaaccgcgt ccatgatatc gagtttgcca ccgaaatctc gacgtcgcta cttgcacaag 540
 tacgccagct gcagtcattg ctgccgaac gcgaagagac actgaaaacc gtgaacctgg 600
 agaagtcgcg actggagcta gaggcggagg gttatgcaca acgaatccgc gctttggacg 660
 agagcgagga acggtataag gacgagaact gggcgctaga aaccaagatc catgagctga 720
 tggctgccgt gaaagatgtc acagaccgtg agacgaaact aactagcagt ctgggggcgg 780

ctccgagctg gaagagcggt tcaacatgca gcccaatccg ccgtttgccc cacaaggata 4080
ctccacggga actgaccctc gaatgatcca agcaatcaca caaaccatga ttggtgaatt 4140
cctctggaaa tacactcgca gagcggtctc tggagaaata tccaacacca gacatcgag 4200
atatttctgg gtccacccgg acaccacgca cgtcatactg gagcgagcat ga 4252

<210> 24421
<211> 1757
<212> DNA
<213> Aspergillus nidulans
<400> 24421

ctacgccttt ctggtccatt cccagaagac gttgactcag aacctcccac cgcgtgtgga 60
taacaaattg cttgcacggc agaaacggcg tcggactagg tatgctttgc ctttactgct 120
catgaccaac ctagcggttcg atcatttgcc gttctgacct gataaacgcg tctatagccc 180
agaagactac gcgattctcg aggcagagta ccaacgaaac ccaaaaccgg acaagatatt 240
acggggccagc atagtcagcc gcgtttcgct gggtgagaaa gaagtccagg tataactccc 300
ttagcctagt tggatatatc ccgcgcta atgcagccctcc atagatctgg tttcagaacc 360
gtcgccagaa tgaccgccga aagtcaaagc ctctccagcc tcacgaactc ttgccctcct 420
cccagtccga cgactcgaaa acgaaatgcg acgacagtat acttgtagag ggctccagca 480
ggctggagca ggaccatgac cacgaacggg ctcacggttc gcggccgctc atgcccagag 540
gcgactcctt tgcattcagat gcagtggaca aggatgagag gggccagggtg gaggagagct 600
caciaacgag cgttgccata tccgaatccc caaattcgag tcaacaagcg gcagacagca 660
gtctggttga gttgaacgcg atgcagagtc ctatcgacgc gtccagcaac gcgcttcacc 720
caaactccgc caagagaaaag agatctggat cagatcttgg agaaacaaac aaagagtcag 780
caacccaag catgctagac agcctaaagt caccaccgtc cctgaggcta tcgctttcct 840
ttgacggaga agccatgggt cgaaagcaag gcgaattgac accatcacc cctaagggac 900
gaaactcgct tcgaatttca atgtcggcag acggacaagc cgatcatccgt gccaacggcg 960
aaccatcccc gtccaaaaac cgcattctca tgttccccac tcgcaccct agactcgctg 1020
gtcttcgcag aagcaatagc gctgttgat tgggtacacc gcgtagccta gaaagagaga 1080
aatccttcgg taggtcgcgc gatcccagga actgggagtc tatcttcgat acagacgcgc 1140

gaagtgcact tgccacacct ttcagttcac aaagcacacc aaaatcggcc ctactctccg 1200
 gtggcaagcg ttctctgacc cgaagcctgt ccgccaggca cccctccctc ctcacaccaa 1260
 actccgatac ccaggggtacc cctatcacgc aagcaatgcg acagaagagg cagaagcttt 1320
 ctctactgt ctcttccctc ggtcgggttg aatctggccg caaagccttg ggcgagaaat 1380
 tcccttccac actcaagaac tctaaatctg ctaaggatga cctcgaactt gaagccggcg 1440
 actcagacaa ggagaattgg attcctggaa ctcgagtatc ccaatcgcgt cgacggacgg 1500
 tttccagcca taccacccgg cctgtcctca aggactcgaa cggacgagac ggccgaccac 1560
 acgacgcttc tacatcagga cgctcgcgat ggtcacagcc ctcgcatcga aaaacagtcg 1620
 gaccttcaaa atccctgtcc atgtctggtc tggaaggtga cgtttcagca ttcattggcg 1680
 gcaacgcagc gagtcaggaa gaggacctgg attgcatcca aggcctgtta tctctaagcc 1740
 aaggcgctg gagatga 1757

<210> 24422
 <211> 360
 <212> DNA
 <213> Aspergillus nidulans

<400> 24422
 tactatctct ctggctcctc gttcctgcat tcaattcaca ttcaccatgc cttctggatc 60
 tgtccttgtc accgggtacg ttgcatattt taaagcaaca ccaataatta ttgacccttc 120
 catagtggaa ccggctacat tggctccttc actaccctcg cctgtctcga ggccgggtac 180
 aaggttggtg tcgccgataa cctgtacaat tcctccgccg aggcccttaa ccgcatcgag 240
 ttgatctcgg gcaagaaggc cgagttcgca cagctcgatg tcaactgacga agcagccttc 300
 gacaaggtgt tcgaagctca ccctgacatc gacagtgtta tccactttgc ggcgttgaag 360

<210> 24423
 <211> 312
 <212> DNA
 <213> Aspergillus nidulans

<400> 24423
 atgacattag ggggcgtgag cgataactcc tggggaaacc aatgggtcca agaccacgcc 60
 gcaatctgcg atactctcga caagccgtgc ctgtttgagg aatacgaat caagaataac 120

cattgtacca acgatttggga ctggcaggat acttctttgg ccgcaactgg gatggcaggt 180
gatttgttct ggcagtttgg cgacgatctt agcggaggcc aaacagctga tgaccagtac 240
actgtatact atggcaccga tgactggact tgtttgggtga cagaccatgt tgccgagatc 300
aacggagcct ag 312

<210> 24424
<211> 1158
<212> DNA
<213> Aspergillus nidulans

<400> 24424

cacggtaaag gtcgttttggga taagtgggtat cgcctggcaa aggaaaaggg atacagggca 60
agagcagcat ttaagctgggt acagctgaat aaaaagtatg gcttcttggga aaagagcaag 120
gtgttgctcg atctttgtgc tgcaccaggt gtgagtacac cagatatttg cttctttggc 180
cgaaattaaa ctgaccgtcc accaagtcac ggtgtcaagt cgccgcagaa tgcattgccc 240
ctcaaagtct aatcgtcgggt gtcgacttgg cccaatcaa gcctatcccc cgagttatca 300
ccttccaaca agatatcaca actgaaaagt gtcgcgccac tattcggtcg catcttaagc 360
actggaaagc ggatactgtc ttgcacgatg gtgctccgaa cgtcgggtacg gcgtgggttc 420
aggatgcttt ctcccaagcg gaactgggtgc tcgaatccct aaaactcgct acagagtttc 480
ttgttgaggg tggtacattt gtcacgaagg tcttcagatc caaagactac aaccctttac 540
tttgggtttt caagcagctt ttcattgtctg tcgaagcgac caagcctccg tgcggtttta 600
atgtgttcgc cgaaatcttc gttgactgcc gtggttataa ggcaccgaag cgcattgacc 660
ccaagttcct tgattccaaa catgtttttg ccgaactggc agatcctact cccaacaatg 720
aggccaaggt tttcaaccct gagaagaaga agcgggaagag agaggggttat gaagagggcg 780
attggacaca atttaaggag atccctgtaa cggagtcat caacaccaca gatccgattg 840
cgattctcgg ttcgtgcaac aagcttagtt tccagcaaca acccgagga gaccttgctt 900
tagccacttt ggatcgactt ccagaaacca ccgacgagat caggaattgc tgtgaggacc 960
tgaaagttct gggtaagaaa gaatttagga accttctcag gtggcgtctc aaggttcgcg 1020
agaagtttgg actggtagta aagaaggac aagccaagga tgatgaagcc gaagaggttg 1080
ccgagattgc tcctatggat gatgagcttg caatccaaga agaacttctc cgtcttaagg 1140

aaaaggagag tgctagaa

1158

<210> 24425
<211> 1970
<212> DNA
<213> Aspergillus nidulans

<400> 24425

tttttctcaa ccagtgcgaa agtctgtgct ctcagggcta tcaaaaacat cctactagtg 60
gctaattctc aacggcctat gacatcagct ggtgtcgaat cgcgaaaccc tgttgatcc 120
acgtctggga ggaaccact ggctccttca agatccgcag aaggaggtcc gatatgcgta 180
cgttgatgca ctctatact ggctgaaatt ggagacgaat aaaaacgacc taaagttgaa 240
ggatcgatct accacgactg ctttaatatc agcgaggcgt gatttctcca atacttctga 300
gagggctgct aaacgtgcaa cggaactca tcatagagag aaggccctgg tcgtggctca 360
gtctaacttc ctccgtctac tgcatttgac aatctatgac gttgctctgc agagttcaac 420
acaagagaag gagatcagga tactccattt acttttagcc agcctcgttg agaacctcgg 480
cataaatgcg gctaggtttg gactgccaat gatcctgaag ctacaagatg acatgaccac 540
tttagaaaat tcaaatacac aagcagctac agctaattt ggcagcctga cgcatggata 600
cctttgggta ttgtccgaga ctttcggcca tggacacca tagggccgga caggagatct 660
acaccgaaat tgagaagcgc aaatcccgcg gcatttggct ggatagcatt ggattctctt 720
tggaagctt cgaaagtatc atcaaggatg atcgacatgc tctcagccat aatactagag 780
agacggataa aatgactctt ttcaaagatg gcgtcgagga gtttgtccgt cggatcgagg 840
agtcctacaa ccggaccgtg cctgctcatg atccgccaac ctccccgggg cgcaatctgg 900
gcaagccggt aataggagga tatctaccac ccgcaaacca acaactaagc gaccttcttc 960
caccagtagt tagggaacaa atgttgtccc cctgggtcaa acagagcgcc ttggaagctg 1020
ctgagcgaga gaaagctgaa gctctctctc tcaacggttc gaggacaggg accttacctg 1080
tgcgtggcca tgcgcacgcc aatggtaccg gcagttccat ctctacaaac tcaccttcta 1140
cagcccatgt tgccacagcg ggtcttcaga cttctcgtcg catgagtatg ccggacaaaa 1200
cggtgacacc aaaccataac tcgagcagag actctcctgt tcgctgaac gagctgaggc 1260
gtgttctctc tgtccaggct cccgataggg accgccgact aagcccattg cggggccggc 1320

tggatgcctc taatggcagc atcatctctt ctagtagtga gagtatgggt agcgggttct 1380
 ccaattctga gttcgaaggg gatggtgggt caatcctact gcccacgagg gatggacaag 1440
 agccgcttga tggcgatggg atggaaacac cgagacctct gagcaatggg aataactacg 1500
 ggtacctaca aaccgcgttt cgggcttcgt cctcctccat acccccagtc ccaccaattc 1560
 cgcatggcat atctatcccc ggcggttttc ccaacgactc tcagcgttcg ctgcctacac 1620
 ctgaccgccc ttcaactgct tcatcacgca aacagagctt gatcaacgga aagttcggca 1680
 tcgcagcccc tgcggatgac aagactctgc ataggcagaa atctcggact ggtgtcgggt 1740
 tagtgaacgg cgccgaagtt cctgaggtag cgatcaacgg taaatccaca ggaactcact 1800
 cgtacggctt gcaggaagta gaagagactt cccagcgacg cgacgtacag aaactcttag 1860
 aaggagtttt atcatcatca gaaccagctt ctactcttca accgagagtt gcttccaact 1920
 acagtggccg acgtagtgtg actggtggca ttggccgccc accttactag 1970

<210> 24426
 <211> 336
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24426

atgcccttga acatctccct ctctccgtc ttctacctaa tccccctcta tatcttagtg 60
 atctcccca ttctgcgcca actgtttccg aacgatccgc aacacggctc atatcaattc 120
 tacgatgatg aagaggccct cgatgaagat acctcgctgg acctcaattc agaagtcctg 180
 agccttgatg atgggggttaa cgtagtatgt cccgacgaaa ccgacgcata ccgctgcat 240
 atctctcgc aggcaccgtt ggtcatatac atcgagaact tcctctcagc tgaagaggcg 300
 gattacttgg ttgatgttag gtatgccgca acatag 336

<210> 24427
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24427

acattgcttg attgagtacg tccgcgtgcg ccgaatgggc tttcagaatg gaaacactgg 60
 tggacagcat ttggccaacg ctctcaaata tgccagtgcc tttccggtca ttctacttac 120

cttcgcctca gttatcgtca tcatctccgt ctggttcate cctgagtccc cccgttggct 840
catcgccac ggcaaggagg aagaggcgat cgccatcctg gccaaatacc acggcaatgg 900
cgaccccaac gctcgactag tgcgtctaga ggctgatgag atgctgaag gtattcgcca 960
ggacggatc gacaagagat ggtgggattg tacgtacttt ggccctatct tctcgattcc 1020
tagctgaccg agcaagaccg tcccttctc ctttcccaca acggccgctg gcgatttgcc 1080
caggtcatca tgatctccat cttcgggtcaa tgggtccggtg acgggtctcgg atacttcaac 1140
ccggccatct acgaggccct cggtacacc tccagctcca tgcagctctt gctcaacctc 1200
gtcaactcga tcgtgggtgc aatcgggtgct ttgacagctg tgtactattg cgacaggatg 1260
cccagacgaa ctgtgcttgt atggggaaca ctcgggtgcgc actccctagc ttgactctgt 1320
ccatagccat cgaaagctaa ccaaagggtat ctccaggctg cgagtttgc atggccgtca 1380
acgtggcgt tcccagcct ctgatccgc agcgtaacgc aggcgaaacc ctcgaccga 1440
ccttcggccg aaccgcgctc gccttctact acctcttcca ggttgctctc tccttcacct 1500
acactcctct ccagggtgtt gtccctgccg aagccctgga gactacacgc gcgccaaggg 1560
tctcgctc 1568

<210> 24429
<211> 704
<212> DNA
<213> Aspergillus nidulans
<400> 24429

atgtcgacat cacttccgcg gccgaaacgg gccggtgaag actttacgcg caccattat 60
caggaagatc tcgacgactc cgggtgctcc aaaaaaccgc gatttgacct gcgaaatccg 120
tccactcttg ctccagacgc gctcgaagat gacgcagtag tggacgcaga cgaaatagga 180
cggcgcgggc aacaagttcg gcgaaaagcc gtcaacctag atggctacga atcagacagt 240
gacaacgaag gcttcgacgc gcgatcctct aaaaaggcac gccaaaatga agcaaaacaa 300
gaagcagacg atgacgacat gttcgccgag ctgcaggagg actttggcgc cgagaacatt 360
gacggcgacg cagcgctacg aaagaataag aaaaatgtgc ggtttctacg agacgacgag 420
attgaaggtc aggttgcgctc gtccaagagc gggcgaacat tacgctgga tctgagccag 480
ggtggtaacg atgttaatat tgacgaagat gatgagagcg agagcgacgt tgccgaggaa 540

gaccgtgcga gggttgacag cggcatggac gaagaactag gcgctggggc aaagaaaaag 600
catgcgccat tattggatgc gttcaatatg cgtgctgagc aagaagaggg ccgatttgat 660
gagcaaggga attatatccg gaaagccgca gatacctaagc ttgg 704

<210> 24430
<211> 698
<212> DNA
<213> Aspergillus nidulans

<400> 24430

atgtctccgc agagaagggt caacacacca gatgcccgaga cgctgacccg gttctttgat 60
gatgccgcaa gcgtgctcgg ggaggagaat gtttcgcgca ctctgaaca tgggtgccctc 120
aacggtgttc ggaaccagga ctcatagcgc gaccccttct cgttctctac gctccaccaa 180
ccaagcggcg ctgttcgccc ggggggtgtg gaagatgtcc agaaactcct gaagcttgcg 240
aacagccaca aagtgccctt gtggactgtc tcaagagga agaactcttg gtacgtggtc 300
acttcatgat acccgatatc ggtccagtta acggttagcc acaggtacgg cggatcaagc 360
cctgtcgtca aagggtccgt gatccttgac ctgcaccgaa tgaacaggat agtcgagatt 420
aacgaagaat acggctatgc aatcgtggag cccggcgtgt cctttttcga tctatatgaa 480
gaaatccaac ggcgcggcct ggggtctctg ccctcgggcc cggcgatcgg atggggatca 540
gtgctgggaa ataccatgga tcgtggattc ggatatacgc ctaacggaga gcattctcag 600
tcgcagtgcg gaatggaggt tgtgttgccg aatggggatt tgcttcgtac ggggatgggg 660
gcaatgacgg ataataagac gtttgtgctg tataaagg 698

<210> 24431
<211> 2012
<212> DNA
<213> Aspergillus nidulans

<400> 24431

cgcgaggacc acgcgctagg gtactgaata agctacgcgc atcgctgtcg gaaaactcga 60
ttgagtcgta caagaagctt ctcgaccgga cattcgaaga gaatcccatc gccaaagaag 120
ataacttcaa tacaacgcaa gatggtatcg tggtatggac accacaggag aaacgggctt 180
tttttgaggt tttggatcga aaagggcgcg gtggcattag ggaaattgcc actgcgattc 240

acgaaaaaga cgccagcgtg tcttccgtct ctgatgatca ttatcaccca tccagccctc 1920
gagatgagag tatttctgta tgggacgagg gacataacga gggatgatgat aatgataatg 1980
ccgaaaaagg caattttctt tctggccatt aa 2012

<210> 24432
<211> 537
<212> DNA
<213> Aspergillus nidulans

<400> 24432
atggctgctc cccaggccaa accggctact agccatgtcg agggcccaga ggccctcgac 60
ctggacccaa aggccgtcac tacagacctc atccacacgg tgcgcgtccc tttaacagag 120
gatgacaata aggccatccg ccgcaagacg gacaagcgca tcctcaccat cctgatctgg 180
gtctactttc tccagatcct tgacaagacc gtgctcggct acggcgccac atttggcctc 240
aagcaagacg cacatttgac cggcaaccag tactccctag tcggctctat cgcccctatc 300
gccagttgg cctggcagcc cttctcgtcg ttctgatcg tgaaagtgcc ccatcgtatc 360
ttgatgcctg ctctgggtctt tgggtggggc gttgcgacgg cgtgcatggc tgcttgccac 420
agcttcggcg ggctgatggc gacccggttc ctgctcggcc tgttcgaggc cggatgcctg 480
ccgctgttca gtatcatcac gagccgctgg taccgtcgtg ctgagcaacc gcttcga 537

<210> 24433
<211> 431
<212> DNA
<213> Aspergillus nidulans

<400> 24433
atgcggcagt tcaagctgtc ctgggatgcg cagatcacca ttgcaccctc ggggccaacg 60
actgccttgc caacagacgg gcccatagcg gcgaacgata tcttcagtac ttatgtcgaa 120
ctctcccaac ccgccactcg caaagtaagt tagcaccgtt gtctgtctaa acaccaacag 180
ataaccaaca ctttttttag gacttgagga tcatggccga tgcgacgacg gaccgggacg 240
tacagaagat cctccgaacc tacgccaacg aaacctacac agccgaaatc ctcaccaaga 300
gcatttcagt ccttgacatc ctggaacaac atcccgaat tgacctcca ttgggaacat 360
tcctactaat gcttccatct atgcgcatgc gcaatagtca gtattattcc tctcattcct 420

tatagcccag t

431

<210> 24434
<211> 297
<212> DNA
<213> Aspergillus nidulans

<400> 24434

gcgatcatct atcttctccc aagtctctag caacacgaac tggtggaaag cagattctga 60
acgctcacta ctggtatatt agcgtttcgt attgctacag tttcggtcaa aatagggcgc 120
cggcgcagag acagacacca gcacgccagg ccagatctg gtcgtcgccg catcatgggc 180
aatgaatcgt ctacactcgt agacgagaag actcctccgt cggctctaga agctcgcact 240
gtggaggcag tcgcaaaata tgtcaaggag aagccagtgc ggcgggtggt tgtaatg 297

<210> 24435
<211> 616
<212> DNA
<213> Aspergillus nidulans

<400> 24435

atggtaactg gaaactaccg ttgttggagg gcagatctga gcactgtgga cgtgggtggct 60
ttgggcaggt taccagagag gtgatcgag ccaggcatta tcaactcagtc cacggcccat 120
ccatggtatg ttccccctggt gtacgacgag tacggcgatg gtcgttgtca ctgacctgta 180
tttttgcct acctagtccg aaaaagtcgt tgctcgcaag gtattcaaatt ccattataga 240
ctttgagcgt gagcgcctggg tcctaaaaga gtcctgtaaa tgtgaagtcc agaatgcacg 300
catcgtcttc cccctcgcaa cggttgtcgt cggtgccag tccaacatcc tctttccacc 360
ggcgcgaatg gacctggaca agttcctcgc cggtggaactg gtgtcgccag acgagtgtgg 420
gatgatggag ctactaactg agctaattggg ccttgccggt gcgttgtcac acctacacac 480
atcgtctggc ttcaacgtct acggttgcca cgcggatctc aagtgcgcca atatcctcat 540
ataccctagt cgcgagaaca gcgggtcctc gaggatcggg agctggatga tcaccgactt 600
cggactctcc ataatt 616

<210> 24436
<211> 368

<212> DNA
 <213> Aspergillus nidulans

<400> 24436

agctagatta tggcgcggcc gttacttctc tcacgctcca gtttttgagc gaatacgaga 60
 ccacaagaat agccgctctc tcttggtctc tcattgctaca ccgcaaggcg ccgaagaagg 120
 ttgccgcatt caatgacgga atattcccag cacttcttaa gacattgtct gatccatcag 180
 agacagttgt tacgaaggac cttcaacttc tatctcaaat atctaggaac agcgaagaca 240
 gctatttcaa attatttatg gtgaacctgc tccagctctt ctctactgat aggaacctgc 300
 tggaaaacaa cggaaatctt attatccgac aactctgtct aaatctgagt cccgaacgta 360
 tatatcga 368

<210> 24437
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans

<400> 24437

cacaccgctg ccagagagtg cagttgcgcc gtacttgacg gatctggcga caaggacggc 60
 agccaggggc gtcaagggtg ggagttaccc gcggtggcag aagaagagga acacggtcac 120
 gctggtgggg acggataagg agtttttggg ctactagtt gccgaggtcg aggagaatgt 180
 gcaggggaag aaggtgtcgg cggaggatga gttggattcg gacactgagg agaagtaggt 240
 gggctctgta catttaccta gcaatattgc aatagaatgg gataatagat ctctgacaat 300
 gcggtatatt ttcccgctc acctgattat ctgggacgcc attggtttgg ctgttgtgat 360
 attggatctt gaaggcttta gcgatatcta aactgggatc cagaacagag tcacccccgg 420
 ggtgaaaccg ggagtgaata gtatgcggcc gatagctatt tggagataac attcaattta 480
 aacgagctca tcagcatccc agaggccaag gtgagcctgg ctcacggcga cgtgaggggc 540
 gcggaagcag gcaagattat gaagtgtgca agaggcaaac tcaagaaaac agcgtactgt 600
 accagatcaa agtgcaattg a 621

<210> 24438
 <211> 943
 <212> DNA
 <213> Aspergillus nidulans

<400> 24438

ttcattttat cagcttcatt tacgtccacc ttcccacgtt cagtggagcg aacaaacagt 60
gtcaatatgt ccaactaccac agccgaaggc agtcctgttg tgaccgtcac tggaactcgg 120
ccaaaggctc gtatggcgct cgatggatcg ccaacaaact acggcgactt ccgcatgcc 180
ttgaaccgag acggatacgc cgttatcaag agcgcgattc ccctggaccg cgcaaccaag 240
tacgcggatg agttctataa ctacttgag ggtttgtacg tctcctatat tctggctgcc 300
ttgctcggcg tcggacactg agtgtgcaat agtggctcgc gctatcgccg cgacgacca 360
tcgacggtga aaccgtcaac cctgcccgtc atcaatgaaa agggcatgat tttggcatat 420
ggcgtcacc acgagaagtg ggtgtgggat atccgcggtg agccaagtgt cgtagatacc 480
tttgccaagg tctatggtga tgacgatctg atcgtttcgt ttgacgtggt taatgtccag 540
ttttcaaagt atgaagtcac tctgtccac accgattaac gcatgaactg acatgtcttc 600
gttatagccg aaaggagatg cctgaaaagt atgcccgcta ccttgctgat aactatgcac 660
aacagcaaga acgatttgc aaccgcacat agcaagccat ggccccatca agaccaagac 720
ccagctaaac cgggcttcgc ctgtacggcc ccttggcacc ctgcctacc tagacgtgc 780
taacagttgt tattgattca ggtcttcaag gccttgtcaa cctcaacccc tgcggccccg 840
acgatggcgg cctgatcgtc tgcccggggg ggcacaaaat ctccgaacag tttcacagt 900
aaatggctaa tgagccacgt atccccgcgt ggacaccaga gtg 943

<210> 24439

<211> 1132

<212> DNA

<213> *Aspergillus nidulans*

<400> 24439

atggcctacg accatggagc gcccaatggg acgtctccca ttgaggcgcc cgccccgcga 60
aagatcccgt tctggcgctt ggtcgtcgac cagggcatcg tcacgcaaga agtcgtcgat 120
caciaatatg ctggatcagg tacagaggag gaccatatg ttgtcgtctg gatccccaac 180
gaccctcgaa atccgatgga gttctcagcg atgatgaaat ggctcctgac gggcgttgct 240
gcgattgcga ctctggctgt tgctttggtc tcgtcggcgt atactggtgg tggtgcggaa 300
atccaggctg agttcggcat cggcagtgag gttgcaacgc tcggtgtctc gcttttcgtg 360

ctcgggttcg cgattgggcc tctgctctgg gcaccgctga gtgagatgtt cggtcgtcag 420
atcgtctact tttttactta tatggctctt acggctttca actgtggatg cgccggcgcg 480
aagaactcgt ggaccctcat cctccttcgt ttctttgccg gtgcgttcgg ttcgtcacca 540
ctcaccaatg ctggcggtgt gattgccgat atgttctctg ctaagcagag aggtgtcgcc 600
atgagtttgt ttgctgcggc tcccttttta ggtatgttgc ttcagcccgt gctgcttgg 660
tggtgcttg tttgagtgt tggagctgac gtcgtatgtt ctaggcccgg tctcgggtcc 720
tattaccggt ggatttctcg gaatgaatgg cggctggaga tgggtcatgg gattcctcgg 780
cgccttctct ggtgcgtctt ggatcgccgg gtctctcttt atgccagaga catatgcccc 840
ggttctcctt cgccggcgtg ctgagagact ttccaagatc actggtaagg tctatcgaag 900
caagtcggat atcgagcagg gcagaatcac tctgggggag gctttcaaga cagctctttc 960
tcgaccctgg attctactct tccgcgagcc tattgtgttc ctgctgtctc tgtacatggc 1020
cattgtctat ggaaccctgt acatgctctt cgccgcctac cccatcgtgt tccaaaaggt 1080
tcgcggtctg aaccagggtt ttggtgcgct cccgttcttg ggtatcatgg tt 1132

<210> 24440
<211> 315
<212> DNA
<213> Aspergillus nidulans

<400> 24440
gcctctgtct ggtctcgcct cggttctgag gtcaccgtcg tcgaattcct caaccagatc 60
ggtgggtccc gcatggacgc cgacatcgcc aagcaggccc agaagatcct gcagaagcag 120
ggcattaagt tcaagaccgg caccaagggt accaaggggtg acgacagcgg tgctactggt 180
gctctcagcg tcgagtctgc caagggcggc aaggaggaga ctttggatgc tgatgttggt 240
cttgtcgcca tcgcgcgag accatacact gagggctctg gactcgagaa cgccggtatt 300
gagaaggacg agcgg 315

<210> 24441
<211> 291
<212> DNA
<213> Aspergillus nidulans

<400> 24441

tccgcggata caaccctctc acaccacca acctcctgca acatgagatt gctctaacag 60
 agaaagcgcg gcaaacgggc cttcaaggcc gagccgaggc cattgccgtc gccacggca 120
 cagacacaga caagcgccgc ctctcgtcg tcattggacc ctgctcaatt cagacccccg 180
 aaatggcctt agagtactgc gaccggctat tgaaattgaa ggagaaatac aaggatgagt 240
 tgctcattgt tatgcgtctc tatctggaga agccccgaac gaccgtctgt t 291

<210> 24442
 <211> 231
 <212> DNA
 <213> Aspergillus nidulans

<400> 24442
 cttgaccctg attattccga ggatgctggt gacattgaac gcttccaatc atatgtccgg 60
 gaaggcctgg cagaaaaggc cacggagaag taccaaaaca ttctgggaca agaggttccc 120
 gttgagccag aggaatggga gttggatcat gtcacccggc tttgcgacgc tatcacgaaa 180
 cactcagaaa aaatccgcaa acgctatcga aagaaccag agatcatggg g 231

<210> 24443
 <211> 4891
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24443
 atgctggacg acagcaccca gaccgtctc ggggcatcg tcccagaatc cctgctgctg 60
 acctcgttcc aacaatacgc acagctacag cccttttgcg gcgatgtcga aggctggggc 120
 cccttgagca gactccggtt tgatctgacg ccctgttttc tggacgtcgg ggtctcggtt 180
 gttgctctgt tcgggttggt tttgggaagt ggtgctgtgt ggttcttgct caacaagcgc 240
 attccccagc cgggtgtcaaa gaattggcat ttctacgcta agctggtag tctctgggat 300
 tatctcatca ttgcgccgta ttatttgctg atgtgttgct tccggcgtag gttgttctgt 360
 ccgccttggt gttcaccact gccttacagg cggcccttca agttgagatt tatgccagtt 420
 ggtttgccga ctccgatcc tggagcaccg tccttgtttt cgcctcgcta tgtgtcatat 480
 ttgccgttca gtactatgaa cattggcgca gccggtatcc gaatggcgtt gttctcttct 540

actggctctt tttcatcatt gcctatactg tgaagctgcg atcgcatgta gcgcggaaga 600
cctacgatga tcgcctgccg tcctttgtct gcctcaatgt cagtctggga cttgcgattt 660
tggagttctt actggagtag ttggttccga agaagcagag tgcttacgat gccttgggag 720
acgaggatga atgtccatat gaatatgcgg atgtgttctc ggtccttacc ttcagttgga 780
tgacacctat gatgaaattt ggggtacaaga acttcctcac tcaggatgat ctgtggaacc 840
ttcgccgaag ggataccacg cgcgctaccg gagctacgtt ggaggagaat tgggagtatg 900
aattgcagaa agacaagccg tctctatgga cagctttgtt taagtcatat ggtggccctt 960
atgtccgcgg agcaattatc aagtgcggaa gcgatattct ggcctttgtc cagccacaac 1020
tcctgcggct tctgattaac ttcacgatt cataccggac tactgagcct cagccagtca 1080
ttagaggagt tgctatatca ctagctatgt ttgttgtctc cgtgtctcaa acatcattcc 1140
ttcaccagta tttccagcgc gcattcgata ccggtatgcg tgtcaagtcc ggcctcactg 1200
ccatgatcta tgctaagtcc ctgagacttt cgagcgaagg tcgcgcatcg aaaacgaccg 1260
gggatattgt taaccacatg gccgtggatc agcagcggct gtctgatcta acccaatttg 1320
gtacgcagct ttggtctgcg ccattccaaa ttaccctctg tatgatttcg ctctaccagt 1380
tagttggagt cagcatgttt gctggtattg gtgtcatgat cctcatgatt ccgcttaatg 1440
gcgtcatagc ccggatgatg aagaagctcc aacttgtcca gatgaagaac aaggatgcga 1500
gatcaagact catgaccgag attctgaaca atatcaagag tatcaagctc tacgcctgga 1560
acactgcatt tatgaacaag ctacgccata tccgtaatga tttggaatta aatactcttc 1620
gcaagatcgg agctacgcag tccgttgcca acttcacctg gcagtccacc ccgttcctgg 1680
tttcttgctc aacgttcacc gtgtttgttc tgacggaaga tncgcctcta accacgtcga 1740
tcgtgtttcc ggctctgacg ctcttcaacc tcctcacttt cccgctttcg attctttcga 1800
tggttattac tttcgtaatc gaagcctctg tggctgtcag gcggttgact gattatttcg 1860
ctgccgaaga gctttcaact gatgcagtca aaaatgaaga cccagtatcc caccttgagg 1920
tcgagtctgt ccgaatccgt gtagcgtcct tctcttgggc tcgatataag gatgatacag 1980
tgctggagaa tatcgatttg agctgtcgca aaggggagct taattgcatt gtcggacgtg 2040
ttggttccgg aaagtcgtcg ctctccagg cacttcttgg cgacttgtgg aagactgagg 2100
gtgaagtcgt cgtccgcgga cgcacgcac acgtcgcga agccgcttgg gtcatgaatg 2160

caagcgtagc ggaaaacatc gtcttcgggc accgctggga tcctcagttt tatgagctaa 2220
 ccgtggaagc atgcgctctg ctggacgact ttaaaaatct gcctgatggg gaccagacgg 2280
 aggttgagga aagaggtatc tcaatctctg gtggacaaaa ggccagattg actcttgcca 2340
 gagctgtgta cggccgtgcc gatatttata ttctcgacga cgttctgtca gcagttgacc 2400
 agcacgttgg tcgccatctg attaacccgg tacttgagac gaatggaatc ctcaacagca 2460
 agacaagaat tctagccacg aatgctattc ctgttctgaa agaggctgac tttatcgggt 2520
 tgcttcgaga caagaccttg atagagaaaag gtacatatga gcaactgatg gctatgaagg 2580
 gtgaagtcgc caacctcgtc cgtacaactc tgaacgagtc gggatgatga gactcaagcg 2640
 ccgaaagcgg cggactcgtc agccttgaaa gctccgagac tactaccata atcgaggggc 2700
 ccgactctga cttttcagat actgacgagg ctgaacagca gattggctct cttgctccga 2760
 tcaaggccgc cggtcacgc aggaccagca cagtcacatt acgtcgtgcg agtacgtaa 2820
 gctggcaagg tcctcgggcg aagctaggcg atgaagagaa tgtcttgaag agcaagcaga 2880
 cccaggaaac atcgacgagc ggtaaagtga agtggagcgt atatggagag tacgccaaga 2940
 acagcaatct gattgccgtt gccttctacc tcgtcacctt ggttggcgcg caaacagcgc 3000
 aagttggtgg tagttactgg ctttaagcact ggactgaagt gagcgagagg cagtcagcac 3060
 caaacgccgg caagtttatt ggaatttacc tggccctggg acttgggtcg tccttttttg 3120
 ttatcctcca gaatcttata ctttggtatc tctgctcgat cgaagcgtcc aggaagctcc 3180
 acgagcgtat ggcgttctcc atcttccgtt cccaatgcg cttttttgag acgacaccgt 3240
 ctggtcgagt cctgaaccgt ttctcaaggt aagcgcgcta tcaagaattg atcgaattac 3300
 tctaactgta atagtatat ctaccgcata gatgaggttc ttgcccggac atttaacatg 3360
 ctttttgga actcagccaa ggcaatcttc accttgcttg ttattgctaa ttctaccctc 3420
 ccgttcctga ttgcggttat tccattggga tatacttatt tcagctacca aaaatactac 3480
 cttcgacat cgcgcgagtt aaaacgcctc gacagcgtca cgcgagccc catctatgcc 3540
 catttcagg agtcacttgg aggaatctct acgatccgcg cttaccggca agaggaaaagg 3600
 ttcagcctgg aaaatgagtg gcgcattgat gcgaacctc gtgcttattt cccttccatc 3660
 agtgccaacc ggtggcttgc tgttcgcctt gagtttattg gctcgggtcat cattttggtg 3720
 tctgcattgc tttcgatcgt gtctgttgcg actggcagca aattgtccgc aggaatggtc 3780

ggcttggcca tgcctacgc tctccagatt acccagtccc tcaactggat tgtccgacag 3840
 accgtcgaag ttgagactaa catcgtgtcc gtcgagcgtg tccttgagta cgccagtctt 3900
 ccgagcgaag cacccgaggt cattttcaag aaccgcccgc ccaccggatg gcctgcgcag 3960
 ggtgcggtat cgttccataa ttacagcaact cgctaccgcg aaggactcga cctcgtgctc 4020
 aaggacgtca acctcgacat caagcctcgt gagaagattg gcgtgggttg gcgtacgggt 4080
 gctggaaaga gttcactgac tctggcgctt ttccgcataa tcgaacctac caacggtgga 4140
 atcagtatcg acaatctgga catttcgaca atagggctcc gtgatctacg cgggcggctt 4200
 gccatcatcc cccaggaccc agccatgttc gaaggcacgg tgcgggacaa cctggaccct 4260
 cgccatgtac atgacgatac cgaactgttg agcgttcttg gtacgtgggc ctgcacatga 4320
 cgggtgaatca gtggtttaat ggtattgact gtatgcagag cacgcccgcac tgaaggagca 4380
 tgtatctcaa atgcagggtc aactggacgc gcacattcaa gaaggaggta tgtacagcac 4440
 atgcagctag tatatcccta gcatcgcgct taattaacca ccaacaggat ccaacttgag 4500
 ccaaggccag cgccaactaa tctcccttgc ccgagctctc ttaacgccta gcaacatcct 4560
 cgttctagac gaagcaacgg tgagtggcat tgctcaccgg tttttgggct ctggagaaaa 4620
 ctaacaacac taggccgccc tcgacgtcga aacggatgcc ctgcttcaac gcaccctgcg 4680
 tagtagcatc ttccaagacc gcacgattat cacgatcgcg caccgtatca acacaattat 4740
 tgactcggac cgcacgtcg tcctggacaa gggccgcgtt gcggagtctg attccccggc 4800
 ggcaactgatc aagcagcgcg ggaaattcta cgaccttgtc aaggaggctg ggctgcttga 4860
 cagtgcggg aacgcaatca ctgtgcattg a 4891

<210> 24444
 <211> 1129
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24444

tccgccaac gctagaattt gctgccgcag cacgcacgcc tgcgcaccgt ttccagaaca 60
 tgtcccgcga cgagtctcgt tcatacgcag cctcagttgt catggccata ttcgggctct 120
 cccacacaca caacacaaaa gtcggcaatg atttcgtgcg cgggtgtgtca ggccggcgagc 180
 ggaagcgcgt ctccattgct gagatggcgc tacgatgaca ccattcgcag catgggataa 240

ctcgagcaga ggccttgact cggtacggc actgaagttt gtccaagctc taaggctgag 300
 tgcagacctt gcgggtgctg cgcattgccg cgctatctac caagccagtc agagtatcta 360
 tgaggttttc gacaaggtea ctgtgcttta cgaggggagg atgatatttt tcgggcccac 420
 aggcactgct aaagaatact tcgagcggat gggctgggtt tgccctgcca gacagacaac 480
 aggcgatttc ttgaccteta tcaccaatcc gctggagagg aaggcgagag caggaatgga 540
 agacgtcgtg cccaagacac caaaggattt cgagatatac tggcgacagt ccccgagta 600
 caagactctg ctgggcgaaa tgactgagtt cgagaccaa caccaccg gcaacgacga 660
 gcaggcctca gcagaattgc gagctcgaaa ggagaactcg cagagtagga actcacgcgc 720
 agcttcgcca tacatcctca gcattcctat gcagatcaag ctcaatacga aacgtgcata 780
 tcagcgtatc tggaacgaca tgtcttcgac catgagcaca gtcgtcgggc agatcgtgat 840
 agccctaatac accggtcag tattctacga ctcgcccaac acaacggccg gtttccagag 900
 caggggcggg aactcttct atgctgtgct gctcaatgca ttgacagcca tgtccgagat 960
 cagcagcctc tactcgcaac ggcccatcgt cgagaaacaa gcgtcatatc cgttctacca 1020
 cccggccacc gaggcgattg ccggcgtggt tagcgatgta cccgtcaagt ttctgctcgc 1080
 tgctgccttc aacgtaatca tgtacttct cgcgaaactg cggccgtga 1129

<210> 24445
 <211> 657
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24445

attcaccgga agaaaatcca gatactattg gcattgaagg cgccatgcgc tacctagggg 60
 atattgaggt cgagctagat gaggttactt gtctcgccat tgctgagctt ctccaatcac 120
 cgtccatggg tgaatttacc cggaaggct tcctaaacgg ctggagatcc gtccagtaag 180
 gaccagtact cgcagcactc aggaagaagc caatctaaca atatcagatg cgactccatc 240
 gccaaaatgg ccgcccattg ggcaaacctc cgtacacgca tcccatcgga acccgacctc 300
 ttccgcccag tttaaccgta cacatttccc ctctgcctag tgcagggcca gcgcaacctg 360
 caattcgaaa tcgccgttga acagtggaat cttttcttca cgacgcaaaa gggcgggatt 420
 gcctggaaca cgacgacaac tccctgggtg gactggtggg ttgagttcct tgaagaacgc 480

ggcaaaaagc ccgtaacaa ggatttgtgg caacaggtcg aagtttttat gcgcaaaacc 540
cacgaggacg aggccttttg gtggtggagt gaggacgggg cttggcctgg aacgctggat 600
gacttcgttg cttgggttag gaagaagagg ggggatgagg gagctatgga ggaatga 657

<210> 24446
<211> 587
<212> DNA
<213> Aspergillus nidulans

<400> 24446

aagctgacgc gtcgtctcg cacgaggccc gcgacaaaa ccaagctgag actctcaagc 60
tcgtcttttg catctacttc cgcactctga aactccgct cccgaatctc atgggtcctg 120
ttctcgaagg tctcgccaag tacgcccaca tgatcaacca ggacttcttc ggagatctcc 180
tggaagccct caaggatctc atcggacatg ccgaggacga cgagctcaac gaggtcgacg 240
ataacgaaga tgatgaacac atcaactccg cctcttcgac aactcgcgac tccacccgcg 300
aatccctcct ctgcaccgtt acagccttcg ctcttttggg aggccaagac gccagcaaag 360
ccgccgcagc tttgcacctc gacctcagct tcttcattaa acacctctac cgctccctgt 420
aactctctc cacaaatccc gacgtcgaat tcaaccccaa tgccttac gccctccgcc 480
tcctgaccc ttcttcctcg caacaacagc aacagaacgc gcaagaccgc aagaaaaaag 540
taaatttcca aacgcccata gtctctctcc tccgtgcct caatgcc 587

<210> 24447
<211> 1675
<212> DNA
<213> Aspergillus nidulans

<400> 24447

cggcccgatc tttattctcc gatatttacc ctgaaacgtc gtgttcccca aagtttatac 60
cccggctaca ttttcttggg accatacgag gcagccaact caggtcctta catttacgat 120
aatgatgggg tatgattatg gaataagcat gcatccacgc taaagctgat gaatgtagga 180
cttagtttgg agcggttggg gcaattccgg ccctgggaat gctcatggta tgcattgatg 240
ccagtacaaa ggaaaagacc atctatgttt ctccagggg attcagcaaa acggatattg 300
tcgaggccat ggtgtcatca tggacaatca ttatcacatc gttaagaccg tagtccccgg 360

cggtggtatg gcagcgagcg acatgcacga gttcaagctt atcaacaatg ggaagacggc 420
 cctgatgaca gtttaccagc agcgacaatt cgatatgagt atatggaaca tcaaaggtgg 480
 catgggctgg ttgatggaaa gcgtatttca ggaaattgat gtggaaagcg gcaggggtgct 540
 tttcgaatgg agatcgcttg accatgtcga cccatcagtc agctatacgt accctggcca 600
 cacggatacc tcgggcaccg ggctggaacc tcgctccccg tgggattact ttcataattaa 660
 ctcagtcgac aagaacgctg atggggacta tatcatctcc tcgcgccaca cgtgcgcgat 720
 ctacaagatc tcgggtcgcg acgggtctat aatttggacg ttacacggtg cgaacccgac 780
 ttttgagaac atcaacttta gtttctcaca gcagcatgat gctcgttggc taagcgagaa 840
 ttcaacccat acgttgttgt cgctgtacaa caacggttac aacggtttca accgcacgca 900
 cgagtactct tctggcatgg ttatttcta atcatcatgtc aacaagactg ccacgcagct 960
 tcgggagtat gcgccacaaa accacgatat gatcagctct agccaaggca acatgcaggt 1020
 gctgccgaac gggaacgttt tcataggctg gggaaacaat gcctatgtct ctgagcacga 1080
 tgaggaaggc aacattctgc tttggggtta tatcgacaag ggcaacatca tgaactacag 1140
 ggcccaaaaa ttccagtggg atggtaatcc cacggacatt ccagctctat ggacatatc 1200
 taagacgagt gatattactg cctcaaccac cttctacgtc agctggaatg gcgccacccg 1260
 catcaagcac tggcagtttt acggcacaaa caactccacc ggtaactata cactgcttgg 1320
 aaagacccga aaggatggat tcgaaacaac ttatatagtt cctggttatt accgctacac 1380
 atatgccgaa gcgcttgacg cgaaaggcaa gatcctcggc aagtcacgcg agcagtttac 1440
 cttcacgccg tcgccagtc tccaggccta ctgcgaagag acgaattgcg agaactactga 1500
 agcgtatggc gttccccggc aagaaggcgc acaggctctc atccccgaag ctggcctcaa 1560
 taccgttccc tgggttgacc ctgaccatcc cgggtgcgcac catacttggg gacttacatg 1620
 gcctcctgtt ccagaggaga agccggagaa tgcaagact gtttatagta agtaa 1675

<210> 24448
 <211> 1094
 <212> DNA
 <213> Aspergillus nidulans

<400> 24448

atgactggat ccaatcgcca atcgccgggc tcttctgttt cacctaatag caacagcgtg 60

ccctctccgt ctatccaaaa tectaagact cggaatgctc gtcactcccg caacgtctct 120
 tgggctaccg gtctcgatca agggggcgaa tctcttccg acggctacac tcaacagcag 180
 cggcgtcgcy ggtctatctt ctcttcatcc catgccccag agggccttcc aggctgcaac 240
 gacgatagcy acgaagcaat ggcattgagg aacacctcgt ttgactggaa cgacactgcc 300
 agaggctatg ttcggtcacg atctcagagc caacaattgc cggcgccctgg aacgggtggag 360
 atgtcacccc cgcggccggg ccccgtagcc tggatgtctc taccgcagaa gaagcagctg 420
 gcattgcttg gtctatgccg ggtgtttgac tttcttcaga tcgcttcatt gcaagcgtac 480
 atgttctacc agctcaaata ctctgacccg aacctttccg attccgatgt ctctacgcag 540
 gccggtatcc tccaaggtgc ctttacggcc gccagtttg caacggctat tccttgggga 600
 cgggttgctg atgcggagtg ggggtggacgc aggttcgtcc tctcactgg gttgattggg 660
 actgcggtct cttgcctagg cgttgcggtt gcaacctcgt tcgcgcaggc cgtcttcttg 720
 cggtcgttcg gtggtgctat caatggaact gtgggcataa tccgaactat gatcgcgag 780
 aatgtcaagg agaagaagta ccactctcga gcgttcttga ttctccctat tgggttcaac 840
 atcgcttctc tttttgggcc tggtaggttt tccatattat gctctgcgag aattgttgat 900
 taatttgtct agttatgggt ggcattgctt ccgatccggt cagagcctac ctttcgctct 960
 tcggtcctga ctctcggtt ggtggttaagc atgggggtcca gtggcttatt cgttatccat 1020
 atgcaactgcc catgctggat aatgcgttct tctcacttt ctgtgccgtc tgcgttggcc 1080
 ttggtctcga ggag 1094

<210> 24449
 <211> 390
 <212> DNA
 <213> Aspergillus nidulans

<400> 24449

ctttctgctt tccgccgac cgacattggc gaggtctcct tctttgagcg acataaccct 60
 cactctaagc ttttactct ctgcctgac tatgctgaga agaagaacga catcgatatg 120
 gactcaattc cccagatcct ccgtgactac cgctaccaca tctactcaga tgatatcccc 180
 gacgtgcgcy tcccgaacgc cacttatgct gccacgaga agctcggatt cgacccagag 240
 aagggtggty ttgttggttac tcgtcctgac agccacattg cttgcactgt gcagctggcc 300

gagggtagcg gcacagtgga tgctctcaac gcctacttcg gttccttctc cacgaagccc 360
 ttgggccagg agcaagctag ccgtctgtag 390

<210> 24450
 <211> 2457
 <212> DNA
 <213> Aspergillus nidulans

<400> 24450

ttgacgaatg ctgaaatcgc ggtatgtgtt tctgcgcttt agttccatgg cctccgctcc 60
 ggaccgtcga cgctaccgtc tcagctctaa ttcagctgcg ccccttgctt gtctacttta 120
 ctaatgcaac gtccatccat agccggcgtc gattggtttc aatacgtgtg taagttttaga 180
 gtcgcgtctg ctacagctta ttagcggctt tggatagaca ctgacattag tacatcatac 240
 agactctaga atcggatcac ttcgtctgcg tccgccaaaa actcgatgac gaggataagc 300
 cccaggttat catccttaat cttaaagaaca acaatgagat tatcaagcga cctatcaacg 360
 cggacagtgc gattatgcac tgggtccaaga acatcattgc tctcagggcg cagggccgga 420
 caatccaaat cttcgacctc tcagctaagc agaagctgaa atccgcggtc atgaatgatg 480
 acgttgtcta ctggaagtgg ttcagtgaag ggagtctggg attggtgacg gaatcctcag 540
 tctaccactg ggatgttttc gatcccaccc aggctcagcc attgaaggtc tttgatagac 600
 ttccgaacct tagcgtacgt actgccactg aagcaaaagc ggaaacctgg ttaccgggac 660
 tgatgatata ttattctaga actgccaaat catcaactat cgagtaaacy acgaggaaaa 720
 gtggatgggt gttgtcggaa tcagcagtcg gcagggtcgt gtcgttggtt caatgcagct 780
 atactccaag gagcgtggga tctcgcagtt catcgaagga catgcagcct ctttcgcttc 840
 tattcgagtt gagggctcgc ccttggaaaca taagctcttc actttcgcgg tgcggactca 900
 gaccggtgcc aagctgcaga tcgccgaatc gacctcagga gccttacccc aggtttcaaa 960
 agaaagcagt ggaggtgtat ttccccaga gaggcagtca acgacttccc agttgcgatg 1020
 caggtgtctc gaaagtacga cattgtttac ctggtcacca agtacgggtt cattcacctc 1080
 tacgatctag agacgggaac ctgcattttc atgaaccgga tatctagtga gacaatattc 1140
 acgaccgtc ccgactccga atctgccggg ctcgttggcg tcaaccgcaa ggggtcaagta 1200
 ttgtctgtta gtgtcgacga aaacaacatt attcaatact tgatggaaaa tccagccatg 1260

tccggtctcg ctgtcaagct ggcttctaag gcaggccttc cgggtgccga tcacctctac 1320
 caacagcagt tcgacaacct gcttgctcaa ggtaactact ctgaagcagc caagattgct 1380
 gcaaattccc ctaggggatt cctgaggacg ccagagacaa tcaacaagtt caaaaatgcc 1440
 ccacaaaactg ggcaaatgtc tgttatcctc caatacttcg gtatgctact ggataagggg 1500
 aacttaaca agtatgagag tctcgagctt gttcgccctg tctccagca gaaccgaaag 1560
 cacttgctgg agaagtggat gcgtgaaaac aagttggaga gctcagagga actgggtgat 1620
 attgtccgac cttatgacat gaacctagcc ttgagcattt acctccaagc gaatgtccct 1680
 aacaagggtca ttgcggggtt tgcgtgaaact ggtcaattcg acaagatcct tgcataattcc 1740
 aagcaagtcg gatatcaacc agattacaca cagctcctcc aacacatcgt tcgtgtgaat 1800
 ccggaaaagg gtgctgagtt tgcgactcag cttgccaacg aagagtctgg cgcactcatc 1860
 gaccttgacc gcgttggtga tgttttctt tcccagaaca tggttcagca ggccacttct 1920
 ttcctcttgg atgctcttaa ggataacaaa cctgaacatg gccaccttca gacacgcctc 1980
 ctcgagatga atcttgtcaa cgctccgcag gtcgctgacg ccactcctcg gaatgagatt 2040
 ttacacatt acgaccgtcc ccgtgtttcc caactctgcg agaatgctgg tcttatccaa 2100
 agagccttgg aaaataactga cgaccctgcc gtcacaaagc gcaacattgt tcgcacggat 2160
 caactcagca ccgagtgggt gatgaacttc attggccgtc tttctgttga gcagaccctc 2220
 gactgcatgg acacaatgtt ggaagtcaac atccgcaata acctgcaagc tgcgttcag 2280
 atctgcacaa agttctccga cttcttggga cctagtcgtt taatcagtct tctagagaaa 2340
 tatcgacccg tcgaaggtct gtactattac cttggaagta ttgtgaatct ttctgaggat 2400
 cccggggtac attttagggg cattgaagct gccactgcga tgaaccagat ctcttag 2457

<210> 24451
 <211> 800
 <212> DNA
 <213> Aspergillus nidulans

<400> 24451

atgcgttcag cgctccttat tagctgcctg gcggcatgct ctgccgctgc ccccatcttt 60
 gagaacttct acaacttctc cgatgatatg gctgagttcc tgggccgagt gagcaaggct 120
 atccacagcg aggtcaactc gttgacctgc gacacatcct caattgctct cccctctttt 180

gcctctggcc tcccagcccc caccggccag aagccccctct acgtcgact cggacgcggg 240
 acacaggtga gcacccagct cgattccaaa cccatccgaa gcagaacctt accggctagt 300
 agaactacac ctgcgccgac tcaacctcct cctcgacgcc cgaggccgtc ggccgctcg 360
 cccgccttta caatgcaaca tgctcgccg cgagactccc aaaggccatc gagctgctcc 420
 ccgcgattgc ctacaagctc accctcccag caaacgaata cgacccactc ccccatcca 480
 attttaacct cctcgccac cacttcttcg agggcaaagt ccccgctctt gaccttgaca 540
 caacgccgga ccgacagctg ggaatcgca aagtgaagaa agaagccgac cttcccgctc 600
 taacgtctgc ggtgctggc gatgacgacg aaggcgccgt tgctggctt tatctttcaa 660
 gaagcaatgg caccgtaggc cggtagctga gcgtttaccg cgttgatacc gcaggtggat 720
 cgccgcctga gacttgtgag gggatggcgc ggagtttcga ggtcgagtat gcggcaaact 780
 attatatcta tgggcaatag 800

<210> 24452
 <211> 1287
 <212> DNA
 <213> Aspergillus nidulans

<400> 24452
 tatatatag ccgaattctg catatgcacg gatgcgaaca aggatatgtg gttcctcctc 60
 gccatagagg tcaacctcgc gatgcgcatg gggtaccatc gtgatcccaa ccactttcct 120
 ggaatctcac cttttcgtgg tgagatgcgg cgccgcgtat gggcaactgt gcttatgagc 180
 gatatcatga tctcaaatca aatgggggatg ccacggatga tctccgactg gaagtgtgat 240
 acggccgagc cgcggaacct gaacgacgcc gatttcgatg aagacaccaa agaactgccg 300
 ccttcacgac cggaaaccga acttacaacc tcattgggca tcacgctcg tagacgggta 360
 cttaaggccc tcggtatcgt tgccgatctc acacacaggg taaagctctg ctcctacgaa 420
 gaggttatgc aggtcgaccg gatcctgcat gatgctgctg ctagcatccc tgcacctctg 480
 aagtggaagc caatagcagc gagtgtgact gattcgccac aggttattat tgctcgacta 540
 tttatcagac atttgatcta caagggccaa atgatgctac atcagcgatt cctgggcggg 600
 cagtccccct ctaacaatga ggacagcttt cgtcactcac agcaagcttg cattgatgca 660
 tcaatgggtt ctctcgagct tcagagtgtg ctcgacgagg aaactcgcgc tggaggtcaa 720

ctccacgcga tgcgctggcg attcacctcc ctcatgaatc accagttcct cacggcagca 780
atgatcttgt gtccttgggt acaccacgaa caagcaatgg agaggaaaga tgagacttta 840
cgggcgctcc agcgtgcgag agcagtctgg atacgcagga gatccgcttc gaaagaagca 900
aagagagctg cagacactgt tgggtattgtg ctttcaagga ttgggggttag agcgagcgga 960
ggcgatcttc ccctcggcct cgataaacac gccggcaata atcgcccggg catgaccatg 1020
cccggttcga ccggcgactt tgacctagat aacacttcac cggacaatat gagtttccat 1080
gaccgtgaga ctactggcc ccgatttaaa agatgacgtg cctagctgac ccctaccact 1140
agctgaccag tttattctgc ccggcattct gggaattcaa ttgtacaaga tcaaagtatg 1200
agctacgatg tcgatagtac cgcccttcca aacgaatgga tgttcgtgaa ttgggacaac 1260
tctggagggg atgggatgcc cggttga 1287

<210> 24453
<211> 363
<212> DNA
<213> Aspergillus nidulans

<400> 24453
ccccaaaacc cctgcgcaag cggcgccgtt gcagcagga cctggtacgg ctgctacatc 60
acatacaccg atccctccgg tgactctcct gaaccagtcc cagtcgcaat gggccgcac 120
atcagcgacg gcagctggta ctttcaagtc gtcgacatgg ccgtcctacc tgagcatcag 180
aggcaagggc tgggagattc cattctgaag aatctgctgg ggtatatcat ggacaacaag 240
gccgaggggg agccctatgt taacctcctt gcggacgagc cgggtcggaa actgtatagg 300
cggaatgggt ttgtagacgc tatgccgcac agtctgggca tgttctggga ggggaaccga 360
tag 363

<210> 24454
<211> 1009
<212> DNA
<213> Aspergillus nidulans

<400> 24454
tcaagactct tcagcatggc ggcccccgtc ctcccgttaa cgcaggtcaa gctgcccag 60
ctgcccgcac cacaattaag ccccgagcag ctccactgga agaccttcaa aaatcctctc 120

ctcattccat caccagcaaa cggccctgtc aacttcatca cacaaccatc tgcgccctct 180
 tccgcctctg ccttccccctc gctcacacag cccccgatg tcttcaccgt cacaacgggc 240
 gcccgctgc agatttactc tattcgaca cgaaaactgc tccgaacgat cactcggttc 300
 gatgacactg cgcgcggcac agacgttcgt cctgatggca ggattctagt agcgggtgat 360
 gataccggta cattacaggt gttcgatggt ggttcgcgag cgattttgaa gacgtggaag 420
 gaccacaagc agccggtttg ggtagccaag ttctcgcta gcgatccgac gtgtgttctg 480
 tccgcaagcg atgaccggac tgtgcggttg tgggatctgc ccagtgagaa cagtatcaaa 540
 tcattcgtgg gtcactccga ctatgtgcgt actgcggcgt tcatgccggg ttcgctggct 600
 tcgtctggct cgttagtgtc tggtagttac gatcgaacag tgcggttggt ggatccccgt 660
 atggagggcc ggtctgccat gactttcaag atgggcgcgc cgctggaaac tgttctcccc 720
 atgccgacgg gcacgacagt gctggccgcg gcggacaaca agatcgcggt gttggatatt 780
 gtggctggaa agccactgca tatgattcag agccatcaaa agacagtcac atcactctcc 840
 ttagcatcgg acggaacgcg gttactcagc ggtgctctcg atggccacct taagattcac 900
 gaaacaactg gctggaatgt cgtggctggc ttcaaatacc agtcgcccat cctctccctc 960
 tgcgcaatca cctccggcgc tgcacgcgaa gacaagcata ttgccgttg 1009

<210> 24455
 <211> 1673
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24455

agcgcgagcg aaaacgagat ctcgaggagc gtgatgcatt agcgaagcgg ctagcgagca 60
 aagacgacaa acggtcgaaa aaaattgtgg aggaccgaac taaggatagt gaggctgcaa 120
 ggcgacgagc attggcagat gacgccaaag ccagggatgc cgctatgcca gaccttagat 180
 tgcggtcaag acaggagtat ctcaagaaac gagagacaga acggctagct ctgctgagaa 240
 gacaggttgc ggaagagacg caggaattgc gcgagaaccc gaacctgacg cggagggaga 300
 aagaagagtt tgcgcgcaat cgtgaggtat tgcgcatcgc cgaggaacga ctacgcattg 360
 acgaccatcg tgacggctat atgatgccag aggactatat tacggagaag gggaagattg 420
 atcgggaagaa gaaggaagat gctctctaca agcggtatgt ggagcgtgat gaactcggcc 480

aggagaaatt catcacggag catgaggaat gggaaatgga acaaactgcg aaggccaaag 540
cccagatcaa ccgagctgag tttgtagatg aaggcgatta cgagtatgtc tttgatgata 600
cgcaaaggat caattttacc atggacgcac agatgaaggg tacgcgcaac tgcacgaccc 660
aggaacagcg catgttacaa gaaaagctcg accaggcgga gcagaaggca cagactattg 720
aagacacccg caaaaagcta ccaatatacc agtttcgtga tcaaatacgc caagcgggtc 780
acgatcacca ggtgctgac atcgttggag aaaccggctc tggaaagacg acacaacttc 840
cgcagtacct ccatgaagca ggatatacca agaacgggat gaaggttgga tgcacgcagc 900
cacgacgggt cgcagctatg agcgtggccg cacgcgttgc agaagaaatg ggtgttaagt 960
taggcaacga ggttgggtac tctattcgat ttgaagacaa cacaagcgac aaaactgtgc 1020
tcaaatacat gaccgacggc atgctgctgc gtgagctcct tacggagccg gacttgggac 1080
agtattcggc cctgatgatt gatgaagcac acgaacgtac ggttccgaca gatattgctt 1140
gtggcctctt aaaggatatt gcgaaggcac gcccggttt gaagttgctg atctcttctg 1200
caactatgga tgcgcagaag ttccaaagtt attttgacaa tgcgccgatt ttcaatatc 1260
ccgggcgcat gtataatgtc gatatccact acacgcagca accggaagcc aattaccttg 1320
ctgccgctat tacgacagtc tttcagattc acgtttctca agggccgggt gacattctcg 1380
tcttctcac tggccaggaa gaaatcgagg ctgccgagca gagcttacag gaaactgcga 1440
ggaagctggg gaataagata ccggaatga ttatatgtcc aatctatgcc aatctaccgt 1500
ccgatctgca agccaaaatc tttgagccaa ctcccccaa ggccggaag gtggttctgg 1560
ctacgaatat tgccgaaact agtctgacga tcgatgggat tgtttatgtg attgatccgg 1620
cttcgtcaag gagaacgtct tcaaccctag aacgggcatg gagagtttgg tag 1673

<210> 24456
<211> 3388
<212> DNA
<213> Aspergillus nidulans

<400> 24456

ccacactgcg gcttcgcggg ctgcgctcc ttcggctttg accgctgatt cctattatc 60
cgacgcaccc agatcggccg ctcaattcag cgcttatcc aaccgcagt tctccaggac 120
ctcatcgac gagaccttca acactcttcc tgggaggcca atggcaggat tgatggacgt 180

cgaccgcagt cgctcgcgga gagagcgcac tttcgttggc agcgaatgtg ccgtctgtga 240
agagccgtta gaacataccc tgcgcgggga gcgtgtgctc caattctcgt gcgctcatgt 300
cgcccacgaa gcgtgttttt acgaatacct gcgcgagatc gagggtcagt actgccccac 360
atgtgatgcg ccattggggc ttgactcgac gcgaggggga aacgtgctag atattggtaa 420
gcaactgtcc gatccacgtg ccgacggggc tgacggagct atagagaaac tgagcaatat 480
agtgcgctcc gttaacagtg atgcgatgac gcagcgaacg cgctgacgac tcctacacct 540
tgggactcgg tctactagccg acagaaccgg ccaagtgagg tgggggggtcg gccgtatcct 600
acgagtgcgc tgggaagtcg gccataccct gctagtgatg caggaagtcg gccgtataac 660
cgcgatagtc gggacacgta cagcaaccga cgggatagca aagacaccgg aatgcagcgt 720
gagcggattg agcgtctggc atcagtgtct cgacatcact cccggaacgg tagcgcggct 780
gggtcgtctg gcgaatatca tgaaggccgc cgtcacgact acgatctcca ggctatggaa 840
tctgatctta gccctcgac tgcggccacg acgaagaatc caatcccggc cccattgtc 900
actatccgta gtgaattccc taccatcagt cgatctcgtc aacaacagtc gctcacttgc 960
ttgatcacgg ttgaagttcc ggagggcaat tggcgtccag acaccgatga tctgcggact 1020
ggctcgacgc attcgtgcc caaggatgag ccctatccgt cgcggtttcc gtccgtgcca 1080
gagaagcccg ctccctttga gccgcaggag aatcttgatg agattgccga agaactgagg 1140
gccaaagtag acaactggca tggcctggaa tttcaacggt aagcttactt cctcgtgcgt 1200
attgtactag ctgacgatta taggtttggc aaacttcgct tgcattggcca tatgcgagtg 1260
ggcaaggatc gtgaatcttg gcaggatttg gaatgctatc tgtttcacga aatgcttatt 1320
tgcgtgaagg agaggcgcgt accggaacac cactacgac cgagatggg gaaacctcga 1380
ccacgtgca ctcttaaggg ctcaattctt atcaggaagc acctgaaaac cattgaagac 1440
gttgctggta tgggtacctc ttctgtcatc aaacatgagc taacgtcatt agatgagccc 1500
gttctcacct tgcacctgtc ggtcagcgaa ctcccggtt tctatcttcg tttccccaat 1560
cgagtcagc tagatatctg gcgccgtgct ctctggata acacagccga atctcttcga 1620
agccctgagc ttgactttga ccgccactct ggagtagaag aagatgatta ccgtaatggc 1680
aacatgaaac ggcaagcatc gttgaactct tctcatgggt cggcgcgttc gaacaacacg 1740
gccatcacag actacacgaa catgggggtt gaaagtgtgc tatcgccgtc gattcacatt 1800

cccgttgaca ttgttgttgt gattccggtc tcgtcttcga tgcagggatt gaagattacc 1860
 ctccctcgcg actctctgaa attccttggt cagaatcttg gtccacgtga tcgcatggga 1920
 ttggtgacat tcggtcaag tggaggaggc gtgcccctag ttgggatgac gacaaagtct 1980
 tgggggggat ggtccaagat tctgagctcc atccgacctg ttggacagaa gagcttgcg 2040
 gcggatgtgg tcgagggagc caacgtcgcc atggatctgc tgatgcagcg gaagtcgtcg 2100
 aaccgggtgt ctagtatcct tctgattagc gactcgtcta cttcggaccc tgacagcg 2160
 gactttgtcg tttccagggc cgaagctgcc aagtaggttc tctagtcctg tgaagcatag 2220
 cgattttact aacaatctta ggggtgggaat tcactcgttt ggtctaggat tgacgcataa 2280
 gccggacacc atgatcgagc tgcgcagcg gaccaagggc tcgtacctct atgtgaagga 2340
 ttggatgatg ttgcgggaat gcgtggctgg ctgcctggga gccattcaaa caacatcgca 2400
 tcagaacgtc aagctgaagc tgcgactccc agaaggctcc ccggccaagt tcgtcaagat 2460
 cagcgggtcg ttgcacacta ccaagcgagc taccggacgg gacgccgagg ctgctcttgg 2520
 agacttgcg tttggcgaca agcgcgatgt tctcgtgcag cttgtcattc caccgcacaa 2580
 cgctacccat gaaacccac cgcaagatcc ttgggaaagt ctggtatccg ggctggaagc 2640
 tctaggcggc ggattagacg gtgacgatca acgcgtcttg agttagagg aggtgccgct 2700
 aatccaggcc gacctgactt acggcgattt acttcgtgag ggtcatctca cacactcacc 2760
 acgaccgtct cttctagcaa tcacgatgt tccaccgagc cctcgacaca agggtggtag 2820
 accgtcgagc cctccgattc ctcccatcc gtctatagt caacgccgca tggagctgct 2880
 tacttcagac atgttgacgc gggctctgac gcttgtgtcg cgctcacagc acgatcgggc 2940
 tcaacaccta ctgaacgaaa ccgaagtat tctcaaaggc ctaggcaagg gtagccttcc 3000
 gcctcttcca ccaccggcg caaaaggctt ggccgagccg gagtcccgtg gcgaaacgcc 3060
 cacctcagac tctcccaagt cctccttcgc cagccactcg tcggctgcct ccgacactgc 3120
 caccatcacc ccagttgcgg cagtagacac tcagacgatg atggccctcg acggcgacct 3180
 tcaagccgct ctcgagtggg tcaatcacc ggctgtcttt ggccgggact cgcgcaaggc 3240
 ggtgctgcaa agcatcggcg tgatttctc gcagcgggca tacaccttcc gctcgccctc 3300
 tgaagagcac tgggcacagc gcctctcggg cgtgcgccgt ttgatcgagc gttcgaaaga 3360
 atggcgcgaa actggcgagc acgcat 3388

<210> 24457
 <211> 1257
 <212> DNA
 <213> Aspergillus nidulans

<400> 24457

gagcctgtta ttggtgagct gcggttttatt gctcgactta actcaaact cctgccgaat 60
 gaagagccat ttggggatgt atctacgaca tccggcggtt cagctatcga gggctccgat 120
 gtattcctgg tcaacggcga gacccgtagc aaattctact ccagcgaacg gtttatcgat 180
 gaccacaggc actgtaagtg atttcaagct ctttctagac ccgcctaatt gttttcaggc 240
 atttcgggaa gcgcacaccg tgtctgcatg atcttgaacc aatacagagtc ttctcttggt 300
 ggctctttct tccggtatgt ctagatttat caaagcgtag aatagctaac aaactcagcg 360
 acatcaactc caataacggc ggtgattaca atgccctcta ttggtacatg gtacgtctca 420
 atatatcagt caatcgtctt cctactaatt acgttagaac tccggccacg tccaaaccga 480
 atcattccgt acgggcctcc acggtcctta ctcgatgtac ttcagtcgaa gcggaacccc 540
 cagcaccaac atcgacacat ccttcttcgc cagccttggt attaaggggt atgttgctgc 600
 caacggacgt ggaactgtca ccggcaaagc ttccggcgca gactcgagca tggactgggt 660
 ggttcactgg tatgaccgga atactgagca aatcataatg tagctgacct gtgtacgttt 720
 caggtacaac aatgatgcc agtactggac ctacacagcg tccgacggca gtttcacctc 780
 tcttgccatg aaacccggca cgtacacgat gaaatactat caaggcgaat tcccagtggc 840
 ggaaaccacc gtgactgtat cggccggatc atcgaccacg aaaaacatct ccggctcggt 900
 caaaacaggc acgacgatct tcaaaattgg agaatgggat ggccagtgag cactaattat 960
 ccttcattac cagtaaagga cagccgactg acccaagctt tgtcattttc cagaccaact 1020
 ggcttccgca acgcagataa acaactccgc atgcaccctt ccgactcccg gatggactcc 1080
 tggctctcca cctacacagt tggctcttct tcgctctctg acttccccat ggctgtcttc 1140
 aagagcgtca ataaccccg gacgatcaag ttcaccgcta cttctgcaca gacaggtgct 1200
 gcaactctcc gcataggcac aaccctctcc ttcgctgggt gtcggccgca ggcaacg 1257

<210> 24458
 <211> 1089
 <212> DNA

<213> Aspergillus nidulans

<400> 24458

atggcgggag cattcgattt cgacctggag aagaaccctc cagtagttca gtcaactgcg 60
gataacagca gtgacggcgc tgtaccggc gagaccttta cctacggcga ctccacgtac 120
gcgaagattc agcgccttgc cgcagagctc aacatcgagc agcgcggtat tgaacgcggt 180
cctgctgcgg agcagactga tactttctgtc tttaatatag gcagcatgtg gctggcggcc 240
aacatggtcg tcagttcctt tgccatcggt gttcttggga aatctgttta cagcctcggt 300
tttgtcgacg ctattctgac agttttgttc ttcaaccttc ttggcatcat gaccgtctgc 360
ttcttctcct gttttggccc atttggcctg cgtcagatgg tgttttcaag gctatggttc 420
ggctggtatg tcaccaaagg atgtgagtat cttcaatcca ccatggttta taatatgggt 480
tataattgcg gcgagggctc atatatcata tctcctgcag ttgctgttct caatattctt 540
gcatgcttgg gttggtctgc tgccaacgcc atcgtaggcg ctcaaagtct ccacgcagt 600
aactccgatg tacctggctt cgccgcgac ttgatcattt ccatttgcac gcttttggtc 660
acatttgcgg gatataaagt ggtccatttg tatgaatact ggagttggat tcccactttc 720
atcgtcttca tgatcatcct gggcaccttt gcacattcgg gggatttcca aaacatccct 780
atgggagtgg gaacatccga gatgggcagc gtcctctcct tcggctcagc tgtctacggc 840
ttcgtacgg gctggactag ttacgcagcc gattacactg tgtaccagcc tgccaatcgc 900
agcaagcgca agatcttctt ttcgacctgg ctaggactta tcgttctctt tcttttcggt 960
gaaatgctcg gtgttgccgt gatgactgca acggatatta aaggcagcaa gtatgatgtg 1020
ggctatgcca cgtcgggaaa tggcggcctc attgccgcat ccttcaccac tgggggcttt 1080
ggcgatttt 1089

<210> 24459

<211> 582

<212> DNA

<213> Aspergillus nidulans

<400> 24459

actatgtcta gcttattctt atatgaagct agcacaccgt gccaggggc caaaggggcg 60
agagccagca atgagagcgg caacggaagc gacccgatga gagatctgtg ggacgaggac 120

ctcggaaatt acgacgacac gaggaacatc gagttcacga ccgagatcag agcaccgatt 180
 ctgggagcca aaccgaaacg gcgaacgagg acaacaacat ccttttccat ccacagtgat 240
 tatgacgaga aaccacaagc aacggttcgt tccaaggcgg gaaacaaatc agctggaatt 300
 gccctgcca atcgtaagac gtccttgctc gcacaacccg cgcagcgggt tcgttcacgg 360
 cccagggtga gctttgtccc tagtccgctc aaacattgtc agcagcacga caagaccgag 420
 cctgagaaga gaagcacaag accggatgtg cagaagaaca acgagcttct gaaacgcac 480
 aatgccacaa gtgaagaggt cgtagccaag catgttctaa aggatgcacg gcggactacg 540
 gcctttttac ctacagagga cagactgcg gccagtgttt tt 582

<210> 24460
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24460

atggagccaa cgatccacag catttttcgaa aacaaaaccg gtcgtggca gtatatcgtc 60
 gccgacccat caacaggcac ggccatcatc atcgacgcag tgctagacta tgaccctgca 120
 acgcaagaaa tcagcacatc atctgccgat atgttctct ctctgatccg gaaagagggc 180
 tacagcgtat ccatgattct agagaccac gccacgctg accacctgac cgccgcacgc 240
 tatctccagg ctctgtctggc gcaagagcag agcgcagacc atagaccagc gattgcgata 300
 ggcgagcata tcggacaggt gcagcgggtg tttggcgaga aatatgggat ctcaccggac 360
 gagtatcgaa atgtctttga caggctgttg agagacaacg agaccttcgc ctttgggtcc 420
 taa 423

<210> 24461
 <211> 1170
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24461

ggtccgcttt caaataccca acgacgcgcc aactgtcaca gaacgttccg aaggccagat 60
 atcgtcgcca gctacatcta gggagctggg agccgctatg gaacggacta gccttatatc 120
 tagcggcaag acgagattat gttacgtacc ggggaattca ggagattccc gccgccccgg 180

ggaacgtacc gacgtcgaac agccggagcc atccgatcag ccagaagtgg aagtggtaaa 240
 tgggctgctt atcctcagaa actctaaacg ggtacttcca gcaacataca aggtcactat 300
 aattgcagcc cgctctatat actatccgaa cgaacagga tggagcgatc tggaaatccc 360
 gggaattcca agaacaaaga gtggcaggat tggggttctc ctcttcctta tgctgctca 420
 gcacggactt gagattcgga ccacagatgt taatagagca actattgtcg aagactgcct 480
 cattgcggag ttcgttagca ctggaaacct agtgatcccc cttcgccgat gcagcagaga 540
 gttctcggc gaaattggtg atttctactgt ggaccaggaa atcatttccc agagtatagt 600
 cggagtcgca actacacccg gacaaagtga tcagtcagtt atccagatga gatgccatgc 660
 agcgtgctcc gtacgactgt acaaccgctg tttctggagt aagaggtgca tcattcccct 720
 ttgtgtggat ggtgggtccaa gtggtttctt ctattgtgac ctgacttccc agcaacgggt 780
 tacgaagagt atctgcatca ccgccaggag gaccaaatt ggagtcctcc gtatccgtgt 840
 ggtctgctcg ccaaagata ttgataggct ctatctgaga tggacgatag agttccccgg 900
 tcgcagagca gcgtattgga ttccacgaat atatccagca ttgtcgacgt ctcagagct 960
 cagtcagcac tcgctgcggt acaaattggt ggaagtaatg aacgaccgt catacttgta 1020
 ctccaggatt gacgccaccg aagtgaactg cgacagtagt gaaatcgctc aaatatacag 1080
 ggactatgag caggctcctg acgacgtgag cgaggatgag gaaagtattc tttcgcagcc 1140
 tgccgcagct tcaaacgcat cgcggtctaa 1170

<210> 24462
 <211> 471
 <212> DNA
 <213> Aspergillus nidulans

<400> 24462

catgaccaga ttgatttgcc aatgtttctg gctgcgccgt atgaccttgt caaggaaaagg 60
 agggagaaga ggagcgggta tgtgactatt gggcctgctc cgacgacaga gttgccgcag 120
 aggtcgatcat cggcctcaga agctgaggaa gaaaggggtg acctggaggt cgaggatgat 180
 cggccgccac agaacttttg gacagaccg cctggttatg tggatgatat tgtttgccg 240
 cgttatgtga gggatcatgc atggttggtg cttctgaag acgacggcgc cgaggccttg 300
 cctactgagg atcaggatga gctgatccgc agagtcgggc agggcgtgaa gctgagaatg 360

gatgctggcg ttactgttgc tcttggccag ggagccctcc ctatggcgga tctgctaaag 420
 / tgggcggttg aggagatctt gaaacacctg gaaaagagca caaggccctg a 471

<210> 24463
 <211> 720
 <212> DNA
 <213> Aspergillus nidulans

<400> 24463

gagcaatgct atgataacct acgtgtctct cggaatgcct gggataccaa ccttggttaag 60
 gttcgtgact gccgccgctc gtccgttcgc cactttcaag ccgcctaaca aatccaggca 120
 aatcccaa atctgtctgt gaactgggaa gctggtggtg gaggtgcttt cgccgttatt 180
 cccttagaag aacgaggcaa attgcccag cggtatcccc tgtttcgtgg tcacaccgcg 240
 gtcgttttgg atacggactg gtaagcagt accatactac tcttgctgca agtttcagaa 300
 taagccaacg tatttaggaa ccctttcaac gatgatttga tcgcatccgg ttccgatgat 360
 ggcagggtat ggttgatatag tgaactaatt agttacgcgc cggccgaact aaatgttctg 420
 taggtcttcc tctggcgggt ccataagggg ttcacgctat cccctgatgt agacgccgat 480
 gatatccaag atgttgccgc agttggaaag ctacgtggcc acccgaagta agtgctgata 540
 cataagcctg tttgcgatca acagtctcac atctgtcaca ggaaggctcg gcacgtgctc 600
 ttcaaccccg cggctgaaaa catccttgcg acggcatccg gagactatac agtgaagatt 660
 tgggatattg aggctggtgc atccaagttg acattgaacg ttggcgacat tgtgcagtag 720

<210> 24464
 <211> 923
 <212> DNA
 <213> Aspergillus nidulans

<400> 24464

gacctatcac agaaaccgaa gaatcaaaag tggatactga ggaggctgct gctaaaattg 60
 atgagaagct tgaaaaggcc gaggaggctg aatcggaagc tccggctgcg gaaaccgctc 120
 ctgagacaaa tggaaccgag cagcctgaac ctgcagccga agttgtagag acccctgccc 180
 ctgcggtgga agtcgtgccc gagaagcctg cctctccaga accctctccc gctccgcccg 240
 cggagaagga ggctcctacc aaagagccag cacctcctgc aaaggctgtt cccaagacct 300

attctcgtca atgcagctga tgaaataata gacattgcgt cgcggtttta agtcaccgag 780
gaaacgctcg cgagaaagac tgccgagatg ctaaacctct gtgcttactt ggctgggtgcg 840
tcgcagagga cgaaggacgg gtatgagcca aagattgact ttttcttcat gcaactgcgta 900
acaagcagta tcttcttctc tattctcggg cgtcaggact ggatttccat gcgggataga 960
gtaagggttag tcgagtggaa gggccggctg gatctgatgt ggtatgctct ctgcgggtgta 1020
cccagccttg atttcgaatt tgtgagaacc tacagggggg agagaacggg gactatgtcc 1080
tggaaggaat tgtttgcat tgtaatgag cagcatgatg atgggcatgt ggcgaagttt 1140
gtgcgagcg 1149

<210> 24466
<211> 1700
<212> DNA
<213> Aspergillus nidulans

<400> 24466
ctcatcaccg gccgccttcg cgaaatcaat gtctactccg aaatgctccc gtgcaccag 60
aaacttgccg acctaggctg gaagccaagg gtatcattct ttcaggcggc ccatactccg 120
tctacgaaga ggggtgcacc cagccgacc cggcggttctt cgagcttggc gtcccaatcc 180
tggttatctg ctacggtctc caagagctcg cccaccgctt gcacgcggat aacgtcgttg 240
ccggaaccgc gaggaatac ggccatgctg atctgaaggc caccaagttt ggcggtcacg 300
ttgacaagct cttcgagaat attgagggcg atatgaccgt ttggatgtcg cacggtgaca 360
agctccgcaa cttgcccagag ggctttcaca ccacggtac tacgcagaac tcggagtacg 420
cggccattgc gcacaagtcg gatcctatat atggcattca gtttcacca gaggtcacac 480
gtgagtccca tgaaaggcta gagggggag gattctaata gtcgatagac actcctcaag 540
gtggacagct gctgaagaac ttcgctgtgg gcatctgcgg cgctgagcag aagtggacga 600
tggcggaatt cattggtcag gagattcagc gcattcgttc tctcgttggc cctgatggcc 660
aggtgctcgg tgctgtcagc ggcggcgctg actcgaccgt tgccggaag ctgatgacag 720
aggccattgg cgaccgattc cagccggttc tcgtcgacaa cggctgcatg cgattgaacg 780
agtgcgagaa ggtccaggag gttctccagg agcagcttgg aatcaacctg acggtcgttg 840
acgccggtga gcaattcctc gctgggttga agggcggtga cgaccccgaa cagaagcgca 900

agttcatcgg cggcaagttc atcgacgttt tcgaggatga ggcgcgcaag attgaggcca 960
agagcaacgg aaagggtcgag tggttcctcc aggggtaccct ctatcctggt acgtctactc 1020
tgattcatca cccaactcct tgttcttget aacaagttcc agacgtgatt gaaagtatct 1080
ctttcaaggg cccctcccaa actatcaaga ctcaccacaa cgttggcggc attgccgagc 1140
gcctcatgcg cggccacggc ctcaagctta ttgagcccct ccgtgaactc ttcaaggacg 1200
aagtccgcca gtcgggccgc caactcgga tctctccgga gcttgtcggc cgtcaccctt 1260
tccctggtac gcacttatcc taaagtccac tcattatcaa caccatccac'aaaaccaaac 1320
taacaaaaaa atacaggccc gggcacgccc atccgtgtcc ttggcgaagt tactcgcgaa 1380
aaagttgaaa tggctcgcca ggccgaccac attttcatct ccatgatcgc gaagcgggca 1440
tctacgacga gatcgccag gcttatgagg cactcgatcc ctcccgcgcc gtcggcgctca 1500
tgggcgacaa gcgcgtctac gcgaacatta tctgtctccg tgcaatctcc acgaaggact 1560
tcatgactgc cccccgtac ccattctcgt acgagttctt gtccaagggtg tcgacaagaa 1620
tcgtcaatga ggttgcgggc gtttgccgcg tttgctacga ttacacgagt aaaccgcctg 1680
ggactatcga gatggaatag 1700

<210> 24467
<211> 1426
<212> DNA
<213> Aspergillus nidulans

<400> 24467

agagacgcaa gtacgatatc gtcgtgattg gagaagagcc gcatattgcc tacaaccgtg 60
taggtctgtc gtcgtacttc gagcaccgca agatcgaaga tctatatctg aacccgaaag 120
aatgggtaag tgggtccaggg gtagtccggg tgggtccgggc ataatacggg cgtggcccat 180
ggctcggagt gtgctcagct gacaatgtgc ttgcagtacg gtcattcaa ggaccgatcg 240
ttcgactact acctcaatac ccgagtgacc gatgtttttc ctcaacacaa aaccgtcaag 300
acctcaaccg gtgacattgt ttcgtacgat atccttgttc tcgctactgg gtcagacgcc 360
gtgcttccta ctagcacgcc tgggtcatgat gccaaaggga tctttgttta tcgtaccatt 420
tccgaccttg aacggctcat ggagtttgcg gccaatcaca agggccaaac cgggtgcaca 480
gtgggaggcg gtttactcgg ccttgaagct gccaaaggca tgacagatct cgaagacttt 540

ggcagtgtca aattaataga ccgcaacaaa tgggtgctgg ccagacagct ggatggcgat 600
gccggttccc ttgtgactaa gaagatcaga gacctcggtt tgaaggtgct ccacgagaaa 660
cgggtggcta agattcatatc tgatgacgac aacaatgtga ctggtattct cttcgaggac 720
ggccaggagc ttgattgttg ctgtatctgt tttgctgtat gcttccaaga ctttcatcct 780
gcttgtatgg tgctgactta accatagatt ggcattcgac cgcgagacga gctgggagga 840
agcaccggtt ttcaatgcgc aaagcgtggc ggcttcgtca ttgacgaaag cttgcgaaca 900
tcggttaatg acatttacgc tattggcgag tgtgctagct gggaaaacca gacttttggg 960
atcattgttc ctggtattga gatggccgat gtgctatcat ttaacttgac aaaccggac 1020
aaggaaccga agagattcaa caggccggac ctaagcacca aactcaagct gttaggagtc 1080
gatgttgcca gttttgggtga ctttttcgcc gacagagatg gaccgaaatt cttccaggg 1140
caacgacccg tctgccgaat ctattggagc tgcagaccct aaccgtgaag aagaacctca 1200
ggtcaaggcc ctcacgtata gagatccttt tggcggagtc tacaagaagt acctgtttac 1260
catggatgga aaataccttc ttggcgggtat gatgattggc gataccaagg attatgtcaa 1320
gctgaaccag atggtgaagt cacagaagcc tctggaagta ccaccagtg aattcatctt 1380
gggtgcccag agcggtgagg aagaaaatgc agacgatctg taagtt 1426

<210> 24468
<211> 719
<212> DNA
<213> Aspergillus nidulans
<400> 24468

ttaatctcct tccagggttt ccgtgtcgaa atccccgtca agtcttcccg ccagcgtgga 60
atgcgtgggt cctaccctgt tcgcctgttc tacacctcca acatgcccac tatgctccag 120
tctgccctgt gctccaacat tttccttata agccagatgc tgtactcccg tttctccgac 180
aacatccttg ttaagctcct tgggtgtctgg gagccccgtg agggttctgc ccagctccac 240
gcttcatctg gtgtcgcta ctacatgtct cctcctctga acttccgcga ggctcttctt 300
gaccctatcc acacagctgt ctacatcact ttcattgctg ttgcctgtgc cctgttctcc 360
aagacctgga ttgaggtctc tggctctgct cctcgtgatg tcgctaagca gctcaaggac 420
cagggtctcg tcatggctgg tcaccgtgaa cagagcatgt acaggagct caagcgtatc 480

atccccactg ctgccgcttt cggcgggtgct tgcattggcg ctctgtccgt cgcttctgac 540
 cttctcgggtg ctctcggtag tggtaactggc attctccttg cagtcacgta agcatgtcgt 600
 tcttctctct tcttcaaagt ctaacaaaat cgcgcagtat tatctatggc tacttcgaga 660
 ttgccgctcg tgagggcgat atcgggtggag gtctcaaggg cctcgtcccc ggcaactag 719

<210> 24469
 <211> 972
 <212> DNA
 <213> Aspergillus nidulans

<400> 24469

atgttccctc gctcttactg gctgaacggg ggcctgtcgg ccttatactc tctctgcatc 60
 ttcaacttcg ccgccagcat tgttcttttg tttaccgtca actcagaccg aaattacatc 120
 catcctattc tcagccaatt gatacccgct gggcattgcg cgtgcgaaac ggcgggcggtt 180
 ttcgaatgta gcacttgctt gacctgctcg catcaggacc ccatcttaca gatcgacgaa 240
 aacgaaacgg aattgtggga gtttgagtac agccgagacg ccttcaatgt cggactgagc 300
 cgcagccagt gcgccgcttc gttcccgggc ctcttcgagg acgtagtcg tgctgcaact 360
 tactggcgca cgcagggagg attgtcttct gatgaccttg acgccatccc cattaatcag 420
 ggcattggcc gcgcgagaat aacgcaggga gagttgtatg taatatctgt ccgagcgcggt 480
 ggcgaggacc accggaggaa attacttgct gcattgagtg cgatgcaccg agcccttgta 540
 gcagattcca accgcttggc cgggccagaa atagaatttg tcttctcgat cgaggataag 600
 ctctcgcagc tcaccagttc ggagcaccca gtgtgggtac tcgcccgaac agcagatgaa 660
 gaagctgcgt ggctaattgc cgattttgga tactgggctt gggaccacct gcaggcatcg 720
 atcgggccat acgaccaggt tgtcgagcag gccgcggagt atgacaatat accttggggag 780
 gacaaaaaac accagcttgt gtggcggggg aaaccgagtt ttgcaccgaa gttacgacga 840
 gcacttatgg atgcgacgcg tgaccagcca tgggcggatg ttcaggctgt agactggcaa 900
 gagcaggaca agtcaaattg tctgaagatg gaggaccact gcaaatatat gttcattgcg 960
 catgtagaag gt 972

<210> 24470
 <211> 536
 <212> DNA

<213> Aspergillus nidulans

<400> 24470

tcgtatatgg ccgtgaaact tgttcaagcg cagactgaaa acccacacag aatatctgac 60
 tgggatatct tagccactgt cgggtggaat gtcggagccg ggagcgatac cacggcgatc 120
 agcttgagct cgactctgta ccatctatat cggaaccctg gctgtctggc gaaactgcgc 180
 gaggaaatcg agtctgccg cattggtaca gtgatccag cattcaagag cacgcaggag 240
 atgctatatic tccaggctgt gcttaaggaa gccctccgcg tccatccggg gacgggattt 300
 ccattgttca gagtcgttcc taagggcggc caggctctcg ctggccaatt ctttctgga 360
 ggagtaagta ccgcgggaat ttctaaccat atttccaccc ccactgacca ctttcgaaaa 420
 ctaggtgaac gtaggaatca acagctgggt cctacactac gacactaata tatacggcgc 480
 agacgcatct attttcagac ccgagcgatg gctcgaagca gatgaagagc agctga 536

<210> 24471

<211> 366

<212> DNA

<213> Aspergillus nidulans

<400> 24471

atggctgcag cggatttoga cgctgtccga aagctccagg ctgagcgcaa tgcggcagcg 60
 gccgcgaaaa aaggttctag gacctttgat ccgtctaacc agcgactga caactcgaca 120
 aaggcctcct tgaccgaatc attcgatata accctctacg atcgtgaagg tgccgataaa 180
 tatgcggtt atagcacctc catcgctgtt gacgatggag atgaagacat ggaggacgcg 240
 gataatggac accgcttggg tgggcagtat actgcaacgc gaagccagat tgacgagttt 300
 gcccggggaa atgggggtcga agaagaggac attcttcttg gacgtgaaaa ggctgctagg 360
 atctcc 366

<210> 24472

<211> 992

<212> DNA

<213> Aspergillus nidulans

<400> 24472

gatatctttc tctcaatttt gctctaccgg atgatccgat gcccaacgtt ctcgtcctcg 60

gcgggtccgg ctacctaggc ttagctatat cccaagcgct cctgtcgtct ggcaactaca 120
 ccgtctgggg ttccgctcgc actcctgaaa aagcgaaact acttctccag aatgaaatta 180
 gtcccgtcca agtggatata acagatcagg agacgctggc ttctaccatt gcagaaaaca 240
 acattgacat tgctcgtcag actactatgg cgttcgggca ggcaggtgac atgctggaag 300
 ggggtgaaaaa agccgcaggc aggcgtcaag acggattgcg acagcgaggc cacctcggtc 360
 ccaagttggc ctttgtctac tgctccggga tctggatcca tggatcgccg tcctcgcgag 420
 tgagcgatct ctcccctgtc acgaaggaga aggcagctcg aatcgtcacg tggcgtcccg 480
 cgcacgaaca agccattctt gcctctcgag atgtgttggg tgctgccatt atcagaccgg 540
 gaatcgtcta tgggcgtggg tcctggatct ggagcacatg gtgggcctcc attttgaacg 600
 caaaacgaag cggagctggc actgaagcaa tccgcattcc ggctgatatt gacgcacgac 660
 cagcgactgt gcacgtcgat gatgttgagc cgggttttcg tgctgccatc gatcgagttg 720
 acggactact tggctcctgg ccggtgtttg acctagtgcg ggagacgggt ggtgcgcagg 780
 atatcgttga agcagcaaaa gccgccttgg gtgttgaagg gcctgtggag tacactggtc 840
 ccaggggaga tatttttatg gaggcgatga gtacagtgcg taattcagac acaggtaggg 900
 caagggcagt cttgggatgg gtgccaaaac ggagcgaatt tgtcttaaac atgtccatgt 960
 atgtgcgcgc gtgggaggcg gcacaggcat ag 992

<210> 24473
 <211> 491
 <212> DNA
 <213> Aspergillus nidulans

<400> 24473

tgattatcca atccgtcctc gacgtcaaag acgataacct ttgccaaag ggcttcagcg 60
 gctcggttca atttaatcgc tccatcctca ttcttacacc ccaacgagct ctttaagtta 120
 cagccaccag catcgaacgc cactatgtct ggctaacagc cttgtcattc ctgagccatt 180
 cagcgatagg cctgcaagac ctcgcttcac tcccaccagt gccgcgggaa gattacactc 240
 gccagcgcc aacggcaacc ctccgccgca atcctattcg cgactccatc cgaatcgcca 300
 agggccgtcc gcgacccttc ccaagaggca agggcaaacg gcccttcaat aatcaaccgg 360
 aaccggtccc tgaactcccc tatgacctgg acgacgaagt tcgagcctcg gaggacgcag 420

cgccccacc gacggtgccc cggttttcga accatgcccg caagcgcagc aatacggcgc 480
cgagaatgcc g 491

<210> 24474
<211> 318
<212> DNA
<213> Aspergillus nidulans

<400> 24474

gttgctggtt gcgactccgg tgacttcgcc accatcgaca agtacaagcc ccaggatgcc 60
accaccaacc cttctctcat cctggctgcc tccaagaagc ccgagtacgc cagcctgac 120
gacgccgccc ttgagaaggg taagaagcag ggcggttctg tggacgacca ggttgacgcc 180
accctcgact acctcctggt cgagtttggc aagaagatcc tcgacattat tcccggaaag 240
gtctcgactg aggtcgacgc ccgcttctcc ttgacacaa aggcctcggt tgacaaggct 300
cttcacatca tcaaggta 318

<210> 24475
<211> 1179
<212> DNA
<213> Aspergillus nidulans

<400> 24475

aacgggcgtc tggtgactcg aggttcggaa gggatgcagg tcgtcgccac tcgagacatc 60
tatatcggcg aggaaattac ggtttcgtac ggtgaagact attttgggat tgacaactgc 120
gaatgtctat gcctcagttg tgaacgcgtt ccccgcaacg gatggtcaca gaacctagct 180
cctgggccac aaagcaaacc gtctacgcca gaaccaaagg ctagtgaaga ccaccttacg 240
ccgaggaaac gcaaggccca atcagatata gattcggaca gctccccctc ttcaactcct 300
aggaagcggg gaaagtacac accacgtggt tccaaactgc ggtctcagtt gtctcttacc 360
gaagatattg ctatctcaat tgagtccgag cctcgtgttc catcgtcgaa tctggccttg 420
tcggcgcaag aggccggcga ttccggaaag agcagttcag ccggagataa tgtggaatct 480
tcggggaccg attctgaatc tcttacctcc ataaccctc aagaatcaca gcgatcatcg 540
gcatccactg ctgcaacttc agtgttcgat gaagccgtat cactcaatac gaggccaacc 600
aaatctgcgg taacaactgc ggcgccggca gaaagttcaa tagcggccga ggcgcccttta 660

tctacgacaa tccctgaaac tgatatcaaa cttgaggtgg aaccttcttg cgaacccacc 720
 actactgtaa cggcacaatt agacactacg gtgcgcgctg atagctgtgt aagcgatata 780
 tcaagttcta ccaagttaga agacggatca gaagctctgg agcacgtgaa gaaacctaga 840
 aaaccagaa ccaagagggg ctatttgacc attgagccgg agtcaaaact gaatcgagtt 900
 cctgcagatt acgcaaaaac gccaaaacta ctagcgact cgtatgcccg ctgggtagac 960
 tgccacactt gcaacgcttg gttcgtgcaa caaaactcct atctaaccg gagagagtgc 1020
 cctcgtcgcg agcgccactc catgctgtat gggttccgct ggccgaaggc cgagaaagag 1080
 ggcccagacc atgatgagga gagagtcatg gaccatcgca ccatccagcg gttcctgtac 1140
 cccgaggaag aggcccttgt atctagcagg ggccgtggg 1179

<210> 24476
 <211> 599
 <212> DNA
 <213> Aspergillus nidulans

<400> 24476
 atggccgctg tcagcgagat aaccgagcga acgggtcaaa ttgccataga tccttcgtcc 60
 caggctccgg caacgaagcc tattacggga ttctcgggcc cttcaagac tgcactggac 120
 cagatatacc aatcattgac tacggaaagc tcgaatttca gtagggacat ccaacgcgat 180
 gatcaagacc cgaaggacaa caaccactc agctctctag cggcgtttca cgcctacatg 240
 gctagtcctt ccgcactctgc gttacgtcct gccggcccg cagatgactc tgcaccgatt 300
 acagattatt ttatctctc gagccataac acatacttga cagggaatca actgtacagt 360
 gatgcggcgg cgaaagctta taccgatgtg ggtcttggtg tggttcaggt attcgagaat 420
 gaaaccgcta atcagagcag gtacttctag gtggatgcag atgtgttgaa attgacgtct 480
 gggatggaga gcctgattct gatagcgatg acgacggtac aagtagcagc agtcaagct 540
 ccgatgacga gaaaagcaaa gacaagccga aggtaccgga aaagaaagaa gacggttaa 599

<210> 24477
 <211> 639
 <212> DNA
 <213> Aspergillus nidulans

<400> 24477

atggctaagc aaattgctgg ttctaaggtc cttcttcttg gctcaggctt cggtactatt 60
 caacccccct caatagccct tccatccctg cgcagaacct cgcaccatcc tgaccatgac 120
 tgactagatt ttgttatata gtcaccaagc cactgttgga ggttctcagc aaggccgacg 180
 tcgaagttac tgtcggtacg tactcgattg caattaagcg cttagttgtc ctataactga 240
 ccgctaccct gaatacagca tgcagaacct tcgagagcgc gaagaaactc tgcgaaggat 300
 tcaagaacac caaggccatc tccctcgacg tcaacgatga caaggctctt gatgaagcca 360
 tgagcaaggt cgacctggcc atttcttga ttccctacac cttccacgcc caggttatca 420
 agtcggctat ccgcaccaag aagcatgttg tcaccacatc ctacgtttct ccggccatga 480
 tggagctaga ccagcagtgc aaggatgctg gcattactgt catgaacgag atcggtttgg 540
 acccggtggg tgtggccccg atgctctgcg aggatccttg gcttatctca tgtcccttag 600
 ggtatcgatc acctttacgc ggtaagact atctccgag 639

<210> 24478
 <211> 926
 <212> DNA
 <213> Aspergillus nidulans

<400> 24478

gctgtctagc ccaacccccca atttcatcat tgaaaggctg cggtacttcc ggcattgagc 60
 cgtccacagt ttcccagttc ccgtaggca cctgggctga aaacattgca gttcgacaaa 120
 acggtaatth gctggctact cttctcacgg cccagaagt ccatgaaatt atcccgtcca 180
 attcgthtag ctctgcccgg ctgcctttg ctttcgaggg tcattccaat gtcactggaa 240
 tcaactgaagt caaggcggat gttttcgttg tctgcgtaga tggcggatct ctctgggaat 300
 tgaatttcag agagggcgac acccctcatg gctctctatt aacaaggata ccagaagcac 360
 agtcaatgg acttgctaca ttgaaccccg cgaatgggat tggtatcgcc gccgattcca 420
 ccaacggctg tatctggcga gtagatgtca agactagagc ctatgagtcc gttcttaagg 480
 acgaaactat gcaaccggtg ccggtgaatg acgttcagct ggggatcaat gggttacaag 540
 tgtttgggaa cactgcctac tacaccaata cgccaaagaa tctcttctgt cgagtccagc 600
 tccatccagt ttctggccgt ccgactagcc ctgttgacat catcagtgat agtgtcgaag 660
 cggacgattt tgccataact ccggtcggaa ttgcatactt ggccaacaca taccagaaca 720

agataacaaa gttctcgtgg aggaatagcg aagttattgc cggaagcttg aactctagct 780
ctattcccaa tccgacgtct gccatttttg gacgaacagc gaaggataga aatgtgcttt 840
atgttacaac tggaggtggc gaagcagggc ccattaacgg gacttttggt gaggggtggcg 900
cagttctcag tcttaggctg tgggtga 926

<210> 24479
<211> 639
<212> DNA
<213> Aspergillus nidulans

<400> 24479

atgctccagg aagaaattga gactctgctg gtggagactc agcagcttac ccaagaaatg 60
cgtcagagtcg ctgaacttgc ggacaaagca tggagggagt ccgaaagcta ctctcaaadc 120
cttgggtgcac tggaaggtaa acggattgaa gcgaagagta tccaagccac gatcgacaat 180
cttaaacgac acctagtaga actcgacgag ccggatgaat ggctcgaatc gaatttggag 240
cagttcgagg cgaggcaact tcagtaccaa cagcaagagg agactgaaaa ggagaagtac 300
atggagatca aggaacgaat cgaagaggca cggcacaagc tcggcctcaa gcaagccgag 360
tatggaaaac atgagaatga caaggccaac tttgagcgcc aggtcgaaag gcgtcagcgc 420
atgtccaaag gtcttgacg aagctacaac atcagcgggt ttgatacaat tgtggaccag 480
tcagatgtgg aggaattcat ggcaagaata cggaagattc taaaagatca gaccaggtc 540
ttggaccgag ctaaaagaga ggcacagggt gaattacgtg aagcgcagac atccctgaac 600
cagatcagtg agcgcaagtc cgtgttcaag aaagcaaaa 639

<210> 24480
<211> 1208
<212> DNA
<213> Aspergillus nidulans

<400> 24480

gcatccggc ttatgagatg taccgtcagg caacgttggg cgatgtcgac ttataaccg 60
gcatctacat gcccggtatg tggatcatgg acgattcctc aatcagctcg agtctaacaa 120
gagtaagagg tcaatcttgc aaacaatgag gaggcattgg gtgccggaaa gcatcccgcc 180
tacgaggaga cagcttggaa gggcatccag cagactatcg atgtcatagc agaaaagggt 240

atcaaagtcg tgatcaatgg cggcgcgctt gaccccaaag ccctagccct gaaggtccag 300
 ggtctagtcc gcgagaggaa cctcaacctt cgcgtcgcat acctatcggg cgacgacgta 360
 tacgaccgcg tcggtccaaa catgcccaca acaaaagaag aactccagca tctcgattca 420
 ggcaactcct ccgccgctcc ggccgcctta acatacgcct tcctccgagg cacagcagac 480
 ggcaaaccta ttcctatggg ctccggcgcat gcatacctcg gagcgcgcgg cattgttcac 540
 ggtctgcgga acggggcgga catcatcctc tgcggccgag ttgctgacgc cagccccgtc 600
 atagccgctg cttggttctg gcatgactgg gcggagacag attatgatga gctagccggt 660
 gcgctgatag cgggccattt gattgagtgc tctgcatatg taacgggagg taatttctcc 720
 ggctttgaca ggtataattt ggacgacctt attgaaccg ggttcccaat cgccgagatc 780
 gacgccgacg gggcgtgtat tatcaccaag caccgggta cgaaaggaat ggtcaccgtc 840
 gatacagtgc ggtgccatt cctatacgag ctgcaggga cagtctacct gaacagcgac 900
 gtgaatgctt acatcggaga tgtggctgtt gaggaagtag aaaaggaccg gcacgatctg 960
 cttctctctt tccaagacct gaccaaacta ataatggtgc acagcatccg cgtttcagga 1020
 atcaaaggca ccgcaccacc cccaaccacc aaactcgcca ttttctacca aggcggtac 1080
 gaagctgaga ttcttctcaa cgccacaggc tacgctacgt cgaagaaatg ggacctgctt 1140
 gagaaacaga ttcggtatctt tcttcagac tcggtgcaaa aagagcttga gacgctagag 1200
 ttccaacg 1208

<210> 24481
 <211> 1147
 <212> DNA
 <213> Aspergillus nidulans

<400> 24481
 cttcagagcc gctataggaa ttgccagaga tcgcgcaaag cgtgccctga aggcactctc 60
 gttgtctctg catccgaccc taaggctgac ttttcaaccg tccaagccgc agttgagtcc 120
 ctgccgcacg ataacagcag ccagacgatc ctgatcctag caggacata tacggaacaa 180
 gtcaatgtca cccgtcccgg ccagtcacg ctgctcggcc aaacagacca tgtcaccgac 240
 gcctccaaga accaggtgac aatcaactgg gcacaagcca accatgacag cacgggccag 300
 agtggtgaca atgttttcgg aagcgttttg actgtcgcac ctactctgaa cgcgagttac 360

actggctctg gtccacggg attccctgta cctgaggata ctccctttgg ctgagtcgac 420
 tttcgtgcgt acaacattga ttttaccac acctgggagg actattcaga cgccccggca 480
 catgcactca gcttcagcag ggctaattggc gggttctact attgcggggt ctattcctac 540
 caggatactg taggtctgcc taacctcttg cgaaataatc tgacaatcat aggtctacgt 600
 aggcaaaactc ggcaacgcat actttcacag gagcataata gccggccaaa ctgacttcat 660
 ctacgggttc ggacagctt ggattcaatc gtctgatatc ctctccgca actgcggcgg 720
 cggcatcaca gcctggaagg gtaccaaacac gaccttcgag aacaaatagc gcgtctacat 780
 cgtcgactca tccgtgcaag ctgccaatgc ctcaattgcc ccggaatcg tcggtgcttg 840
 cccctcggc aggccttgga atgaactaca ccgtccatc ttcgttcgtt cctatgagga 900
 tgctagcatt gatcctgaag ggtacattga ttgggtcgtt gatggtgtaa gccgtctgtc 960
 aaacaagact ttcattggccg agtatcgac ctttgggccc gggttcaacg tctcgagtcg 1020
 cgcttcgact aatgcatcaa ttgtcttgtc agccaaggaa tatgcgccgt atgattctcc 1080
 tgcaagggtt ttcttgaccc cggacggaaa ggccaacaat atcgggtgga ttgactggca 1140
 ggcatag 1147

<210> 24482
 <211> 390
 <212> DNA
 <213> Aspergillus nidulans

<400> 24482
 atgcctgaga ccgtcggcca cgaggagccg gctcttcctt cgagccctca ggctggagga 60
 gccgttgctt acaacgcgat cagcaaggaa ttgcaaccgc tcccccaac ggagactgcc 120
 aatggcggca ttattcctcc tgcattctca aggatcgagg gtagcacagg gcgactgtgt 180
 gcgctcgagc ttgaggatgg tacagtctac cagggtctaca actttggtgc tgagaagagt 240
 gtggcaggag aactgggttt ccagaccggt atgggtgggat acccagagtc catcacggat 300
 cctcctacc gcggccagat ccttggtatc acctccctc tgcggcaac tatgggggtcc 360
 cctcgcggga gaccatggat gagctgctga 390

<210> 24483
 <211> 1261
 <212> DNA

<213> Aspergillus nidulans

<400> 24483

ggccaattct tcccgtactt cgtcctgacc ctgactggtc tcgtcacctt tcctctgaca 60
tacaatctct tgaaaccgcc caaaggtagc gcattcaaaa cctgcttgaa tttagcgagt 120
tcaataagtt gtctaactga cttcgataga cctagaaaat accgctcccc ggatacggtc 180
cgacttcaag cctgaacatg aagacctcat tgaggctcag aagcggaaac gcctccgcaa 240
ggagcgccgc atcaagcgca tagtcacagt tgtcttggga tacgctatta tggcatacat 300
ggcttatttg attgtgatta ccgctcgggc gtaggcgaag atctgggata cctatgacat 360
tctcgggtgcg taaagggtaa gctctcagcc caatctcgtg gtttttaact tttcgccgca 420
tactgacagc ctgtcttcag agcgccaatg aaagggaat taccaaacac tacaagcgtc 480
tctcacttct ctaccacccc gacaagatcc gtcccgaacc agcgaagaat gaaaccatcg 540
aactgctcaa tgaacgcttt gtggaactca ccaaggcata caaagccctg actgatgaag 600
aagttcgcaa caactacctc cagtatggtc atcccgatgg caaacagagc ttcagcatcg 660
gtatcgctct tccgcagttt attgtcaccg aagggaatgg taaatatgtt cttctcgtct 720
atggtggctt gctcgggtga ctgcttcctg acattgtcgg aaaatggtgg tatggttccc 780
aacgatacac taaggaaaga gtctacgtcg ctacgcgggg taacatcttc cgagaataca 840
aagatgacat cacggatggg ggaatcgta acgccccttc ctctggcgat gaattcaagg 900
aagccatccc agctcaaaaa gcagagacgg gtctggcaaa gcttgaacaa aaggtagtag 960
ctgacgataa caaattcttg actgaccagg aacgggaagc cattaaaggc atggacgact 1020
tgagcagaag aaaggctttg gccttggtgt gggcttattt gggccgtgtt gagttggacg 1080
accccatcct aaatggaggt aggtcgctct tcctctcatt gataagacat tcactaagtt 1140
cagtccagaa aagtacgaag tcgcgccaat cgctctgtct ttaaataag ccttcactgc 1200
cgtttctctt gcctttggaa atcttcgtcc tcttctcggg tccttccgca cgtctcagaa 1260
t 1261

<210> 24484

<211> 1737

<212> DNA

<213> Aspergillus nidulans

<400> 24484

atggcttctg cacttcagac tcccgtccca gccattgacg aatactacaa cctgggatcg 60
tttggccaca ccattaccac cagcagcgcc gacgccccaa cctgggtcaa tcggggatta 120
acgtgggtat attcgttcaa tcatgtagaa ggcgcctact gctttgaaca ggctattggg 180
cacgaccag gatgcccaat ggcatactgg gggcttgcac acgcagtcgg cccgaactac 240
aacaagccct gggagaaatt cgatctgggt gacctgcac gatcagtga gcgggggttac 300
gaagcttcgc aagctgcaaa gagactagca accaacgtga cccccctga gcaagcgctg 360
atcgaggcga tgctgcatcg gttcccgact aacgaaccgg caagggacta tgcggtcttc 420
aacaggagct atgccaacgc catgaagctc gcatatgacg cctttgggca cgatctgaat 480
gttgacgtct tgtatgcgga tgccctgatg aacatgaacc cctggtcgct atgggatcta 540
ttcacggac tgccaaatcc caacgcgcg accctggagg tgaaagccgt ccttgagcgt 600
gcgctttcgc aggaagggga cggcggaat cagaaccccg ggcttctgca tctatatatt 660
catttcattg agatgtcgcc cagtcccgag ctgggaatca acgctgccga tcgtcttcgt 720
gacctcgtgc cggatgccgg gcatatccac catatgcaa cgcacttga cattcttatt 780
ggcgattgga gacgtctat tgcgtaaac tacaagtcga cccttgcgga cgataaatat 840
ttccggagat ccggcgcaa gaacttctat actttctacc gcatgcacga ctaccattcc 900
ttggtatacg cagccatgtt cgcgggtcaa tccaagggtg cacttgacgc tgtgactcgc 960
atggaagcaa cagtgcgcga agaggttctc cggattgagt cccaccgat ggctgactgg 1020
ctggagcagt tcatgcctat ccgccttcac gtgatggtgc gcttcggtat gtgggaggag 1080
ctcaagcgca aagagctgcc acacgaccag atcctctatg ctgggaccac agcgaccacg 1140
cactacgccc gcggaatcgc tttcgccgcc acaggggatg ttgaagcagc ccggaaagag 1200
caagatctct tccacaaggc atgggcgcgc gttcctgaaa cccgcgcgc ctacaacggc 1260
aagatggttg acgtgctcgg ggttgccgca gctatgctag agggtgagat tgaataccga 1320
gaggccaact atgatcaggc atttgagtcg ttgcgtcgcg caatcgacct cgaggataag 1380
ctgccgtata gcgagccatg gtcgtggatg cagcctgtac gtcacgccta cgcggcgctg 1440
atgatggagc agggcaacct ggaagaggct gcgcaggtct atcgggctga tctgggtatg 1500
gacacctctg taatcaggcc gcgcaggcac ccgaataatg tctggtcgct gcaagggtac 1560

catgagtgtgct tgggtgagaat ggggagactg gaggaggctg ctgtgattga gcagcctaca 1620
aaactagctc ttgctggttgc tgatgtgccg atcagggcgt cgtgcttttg ccgtttggac 1680
acgtcacagg cgccagaggt tcttgacagc tgtgcttcca aggggaagga gaagtgt 1737

<210> 24485
<211> 357
<212> DNA
<213> Aspergillus nidulans

<400> 24485
ataatggcta ccctccaccc ctctgacccc attaccccg gggagatcac cctggccacc 60
aagatcctgc aggtctgcctt ccccggtcgtt aagctacgtc ataagaagat cgacctgcag 120
gaaccatta aggccgaagt cgttccatat atcagggtg aacgtctcgg caagccattg 180
cccagcaagc caaccgggtt actgcagggtg ctgttccacc gcatggacac ggggtgccttc 240
tttaaagggc tgctgaatgc cgactcgaag agtgctgtgt acgcgaatga gttgccgagg 300
gagatccagg taggaccccc ccagcgggtc gatagcgcat tctggacagg ccgctaa 357

<210> 24486
<211> 571
<212> DNA
<213> Aspergillus nidulans

<400> 24486
ttctacgctt tcctaaccct agttgccccg accccccgag aaccctccc cgaagaaaca 60
acctaccgca ctatctcgaa agatggatcg atcacagaac cgcagtctct accatcgtgg 120
caacgtccag gctccaacaa ggccgacct ggagaggctg agctgttcat gtctcttgtc 180
gttcggcct ataacgagga ggaccgactg ggaggtatgc tggaggaagc tgtgaactac 240
ttggagcgaa tgtatggaac cttggcgagc agtcgcagcg aagggaacc cctgcggcaa 300
cggaagaccg ccaacggaca cgcaaacgga attgcgaata gcaacacaga gactacaccg 360
cacaggaaag gctgggagat cataatcgta tcggacggat cgacggataa cacggaagag 420
atggcgtttt ccttcgcgcg agaccaccaa ctctcgttac atccaaaggg ccacgcaggc 480
ccttgacgc ctgaacctcg agagggcgtg cacatccgc ccggaacaat ccgcgttgta 540
gccctggcca agaacaacgg caagggcggc g 571

<210> 24487
 <211> 282
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24487

 gatccaaatg cccgtctgga agcggaagct ctggcagaga agcagaaggc cgccaactcc 60
 ccacggccccg gacagcctcc gaacccgcag cagaagccag aagataagga ttcgccggag 120
 tacaagaaga agttggccct gcaaacgctc cctctcctcg agactactga taactcagtc 180
 agttatggta taccagagtc attattttct tctactgaagg acatgttcga gtccatcgtg 240
 gggagtcaatg cacgaattgg gataatccgg ccgcagcatt tc 282

<210> 24488
 <211> 797
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24488

 cattacaaaa cccggccatg atcgacatga tgattcaaca gaacccccctg ctacgcgata 60
 atcccatggc ccgtcaaagc ctgcaaagtg aggggtttcg ccgtatgatg actgacccta 120
 acacgatgag tcatatgatg cagatgcaac gagcaatggg aggatttggg ggcggtagtg 180
 ctttccttgc cccgggagtc accaatacaa cgcccagga aaatagaact gcgcaaacca 240
 acaccaacaa caataatagt aatgctgcca atgccctccc aggaggtctt ttcaaccctt 300
 ttatgccccg gggccttggc gctggcaacc cattcgcagc tcttttttga gggaaccagg 360
 gaagccaagg aggaaaccag actgatcaga ctggcgcggc gcaaccagag tcgggaggag 420
 caagtgaaac tggtagcgca tctgagcaga atagaccggc tcctggcttc ttcaacccat 480
 tcaatcctgg tgcgaatcct ttcgaccccg agcaaaatcc cctcctccgc aaccctgcgt 540
 tgctagaaca gttgatgcag tcaatgggaa gccctgcggg cgggtgctgct aacccttttg 600
 catcactgtt cggtagccct agcttttgta gccctgctcc ccaggacaac aggcctccag 660
 aagagagata cgcggaccag ctgcgtcagc tcaacgatat gggcttcttt gaattcgaac 720
 gaaacatcga agctcttcgc cgagcagggg gcagcgtaca aggtgcgggtg gaatacctgc 780
 tgagccatcc gtcttag 797

<210> 24489
 <211> 227
 <212> DNA
 <213> Aspergillus nidulans

 <400> 24489
 atatgtgggc tgttggtgcc atggcagtgg agattgcgac gctcaagccc cttttccccc 60
 gcggtaacga ggttgaccaa gtttggcgtg tctgtgagat catgggcagc ccagggaact 120
 ggtacagcaa gtctggtgct aagcttggtg gtggtgagt gaaagacggc tctcgcgtcg 180
 cgcagaagct aggcctttacg ttcccaaagg tatgcttctt tctgctc 227

<210> 24490
 <211> 338
 <212> DNA
 <213> Aspergillus nidulans

 <400> 24490
 ctgggagaac cagcactggc gttagcctcc agacattgca cctccagcat ttcgatcacg 60
 gaacaatcct cgcccaaact ccttcccccg gtttcgagat cccaaccct gattcctgca 120
 ccgttcctga gctgttgac gttgttgccc ctaaaggcgc ggaactctta gtgaagggca 180
 tccaagaggg cttgttcgtc ccaccgcaca agaacgccg ctggtacacg gctgagcaga 240
 gggacctgat acatgctacc aagatcaaac cggaagaaca acacatcgac tgggcgactt 300
 ggacctggac aactataatc ggcggaacg ggtgctag 338

<210> 24491
 <211> 1290
 <212> DNA
 <213> Aspergillus nidulans

 <400> 24491
 tctccgtctc ttctccggat gaatcggcac accctcgtcg tatcaaatcg aaagcctcgc 60
 tacgaagtac ccggagtatc ggcagcagcc tccttcacga agacgacggc gacgacgccc 120
 aatccgaaaa gtctctcatc cgcccgaaca ttctccgccg tctatcaccg ggcttagctg 180
 cacgcgtgaa gttactggac ggaagctcca aacagacac atccccccgg aaccccggtg 240
 cggttggaag gattccccgag gagcagatca aggagttgga tagtctacac aaggtccagt 300

cgatcgaagt tgagagaaaag ggccgcgctt ggagcggaat atcgtttgcc aacaaaaact 360
caaaaacaac aggtacagcg agaaccacta ccacaatcag gcgtgcctga accaccggtc 420
gcggagtcaa cccctgggtc gggtcaggac gccacatccg accgcctgga aaaaaagaa 480
gagaaagtgg aaaatacgcc aactaccatg tctgttggtg agccagcccc ggcaccgctg 540
ggcccggaaa taagtgatcc taacattgaa gaccagaccg atggcccaac agattacgag 600
aagtacattc aaaaaactag cgagctcgaa gcagaagcaa acggcgcgcc acgcccggcc 660
ccgaaagact cccctcctat ccagtcgagc gcgtcatcga acactcagtc atactttaat 720
cctcacggtc ttcaccggac gtcacgata tactctagta ccaattcgat attctcattc 780
tcacgatcct cgttcagcaa tcagatttct cagcttacct ccatcgccct tccacagccc 840
tcacgccttg aagctagcat cgcttcgata tcgaacgctc cggccgcagt taaagccttg 900
accggtgccg cggaacagat tcagatatgg atcagaaagg catcgaacgt gctgaacgga 960
cttgatgcgg aggatgacgt ggtatgggccc gcggccgctg gacgggaagg ccttgatggt 1020
gtggacaagg cgatcacaaa gtttgaaagc ctagttaatg tctatgttaa agctatcgaa 1080
gatgtgcagc tgcgcgagga catcgcta atgtcagcactg atggcttaga gacgattggt 1140
acccaaatgg acagcatcct acagagttgg gccaacatca agtcgcggtc ccgggcagtg 1200
aaagagcagg tggaattggc aatggagtgg gaggaactat ggaatactgt gctacgtgat 1260
gtgatccatg aattattggg aaagacctga 1290

<210> 24492
<211> 657
<212> DNA
<213> Aspergillus nidulans

<400> 24492
ctcgaagata aggagaatgc ggaagcagga tcaacggtgt cggttgccac tgtccgcaag 60
cgcaagcaac gctgggacgt ggctcccacg gatgagacgc ctgctgctcc tacttctgac 120
gatgctaagg ctaaaaagtc gcgatgggac caaacacctg ctcttggtgg tggcgaagcc 180
cccaagcgcc gttcacgatg ggatcaagca ccagcgattg cggcggcaac acctgttggt 240
aaccaaggac ttgcaacacc tatgcacatc tccaagtag gtgcgcctat gattccaacc 300
agttttggaa ctgatatctc tggccgcaat gccctctct cgcacgagga gcttgacatg 360

atgctcccgt cggaaggcta caagatcctc gagcctcctc ctggatatgc tccaatccgg 420
 acgcctgcaa ggaagcttat ggcgacaccg gcaccgattg ccagctccac tggcgtaggt 480
 ggctttatga tgcaggaacc ggagagtgcc cgttcctcgc gcaagcagct tcctaccgag 540
 attcctgggg ttggcgatct ccaatttttc aagccagagg atatggcata cttcggaaag 600
 ttgatggata ctggagatga atcaacgatg tcagtggagg aactcaaaga acgaaag 657

<210> 24493
 <211> 354
 <212> DNA
 <213> Aspergillus nidulans

<400> 24493
 ctggaccgac ggcaaaggca acccggacgc caactccctg ccagaatgtc agctcgaccg 60
 tatccagcgc cttgtcgaag gcgtcacctg ggaaggccgc tacagaatcc ccgagagcga 120
 ctacgaatca gacggggtag gtttctggat ggatacactc tgcattccccg ccaatgacaa 180
 agcgcgtaaa gacaaggcga tcaactacaat gcggcgtgtc tactcggagg ccaaagcagt 240
 tctcgtcctc gacgactggc tgcaggagat ccgctccgac gcgccacccc tcgaccttat 300
 cacgcgtata ttccagtcga actggatcaa gaggctttgg actcaccagg aagg 354

<210> 24494
 <211> 863
 <212> DNA
 <213> Aspergillus nidulans

<400> 24494
 cccccccagc tcaaacggcg gggttctact gctaactacg acatggggga cgggtctgat 60
 tatcccagtc ccagaagcga aggtgctacg ggtccgactg ctgttcttgt cgccgcgcaa 120
 gatcctctag ctggtgttcc gaagatgacc gatcaattgt cccaagttt catggaaggg 180
 gctcgtccaa aactgtcggg gagacgagcg cgcgatccgc ccaagaacgc cgttggacag 240
 attttttgtg accatgcaga atgtcaacca aaccgcgca ctttcgctg tccttgcgag 300
 tggaagtaag tgcgcctttc gcttgagttg ttagtggtgt ggcgaggatg aggctaacac 360
 gcttttcctt acagcaaaca catggacaaa cagcaccgcc cttacaaatg tctagagcct 420
 ggatgtgata agatacaggg gttcacatat tccggtggcc tggtgagaca tcagcgcgag 480

gttcataaga agaacgtcaa tgccaagaag cctctcatgt gcccttacct tgactgcaat 540
cgaagcacgg ggaacggatt cacgcgtcag gagaacttga aggagcatct ccgccggcgc 600
cacatgcata cggagaatgg acacgcgcca gatctgacga tgggtgccatc ttctgattta 660
gatggcgcca cctccataca gaccgtgaag cgaaagcgag aatcgctcga cgtcgatcca 720
aacacagacc ccgtcatcgt atttccggaa gatgaagaga atgggtgtgga catgcgcgggt 780
gaactcaaac gactgcggcg ggaagttcaa gagaaggacc gtcgattaca ggaagctgag 840
cgcatcgtaa ccggtttgaa cat 863

<210> 24495
<211> 1095
<212> DNA
<213> Aspergillus nidulans

<400> 24495
cgccgcctca cctttacaga tcgaacatca gagcctccta gccaggggct gggactcggc 60
atcacgaaga gcccagacaa gaagccatct gccgctacca acctctctca ggagtcgaca 120
cagtctactg gaggtgtccc acaaagcacg ccgataccaa cgagcagcgc acccaccgtc 180
agaaggggat ctgtctcgcg aaacgtctca acaccgacag atctccatac accggttgat 240
aaggcgaaga acctacattc agcactacga aaggactccc tcacaagctc cgcccgcgcg 300
tctgtttctt tcgctgaaag cgatgatttt cttgtcgcgg attcgcaacc cgcaccaaca 360
tccaccctta tcataaccac aaagccctct accagcacac cggcgtctca gactcctagc 420
tcggagaaga gacgctctag cgtctcaatg gtctttcctc ctggagtctc tatggaacgc 480
attgctcaat atgaacggga agccgaggag aaagtcgagc gtcagaagaa ggaaagagcg 540
gtttttgaag aaaagatcaa ggccgctgag aaggacaatg caaactcgga gtacttaaag 600
aaacttaagg ccgcgtttta tacctggcag tctcttgtca gcagccgtag cagccaaagg 660
aagggcacgc cagagcgact cgagagacta caagccgagc tgaagaagat ggaagaatct 720
tcaaccaatg tgtcatctca gggtaaagga aagaaatctc aggagtcgaa gcctgccaga 780
tctcagcagg cctcaaagaa tgatactcca gcgtcaaaga cattgacttc gacgcccgtc 840
accaacgggg acagtaaaat gtcagtaaca catagctccg gttggaacgc gattaacaat 900
aaatctcctt caagcgatca gaagtccgtt acccagacca ttaacggaac caatcccaag 960

tctgctacta gggctgcgcc caaggaaccc gtcgcgcgca ccgaggcaac cagaacgctg 1020
tcaaaagcat ctcagcctcc ttcgacacaa tcacgaaact ccaccgctc agaagagctc 1080
gacttgcctg catga 1095

<210> 24496
<211> 597
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 24496

ccaaccgcag catcaccggc tatecttgag ttaaacaag atctgattgc gtttgatacg 60
aatatttcaa cgtatctggg atccgctcag cgccacttca tcacatccgg cctcgctcgg 120
tttgttgaca gggctctcgt cgccagcacc cgctacatct gggctatgaa tgagaacggc 180
gcgttacgac tccaacttga cgtccttgte ttgcagcana atctcaagaa cgtcatcatc 240
gatcccactc agataccgcc accagatcag gctagaacgc ctcaagcaga actatatcgt 300
gagggttgta cccttcctcg gagcgccaaa ttcttgact ggttcctcga aggggcagaa 360
aaggcgctcg attacgcaa agaagaaaag gagcgatgg ctgcgcatgg cgatcaggct 420
cttgagacg gcgacccttt tagttatgaa gaactcaagg tcctgggtga tttatgtttc 480
tcggagaatc tcagagggcc caggagcgag gataaccggg aagattttat ggcgtcgaag 540
aaggcgagtg cagatgcact cttgaggctg aacgaaatca tgtgggattc caagtaa 597

<210> 24497
<211> 395
<212> DNA
<213> Aspergillus nidulans
<400> 24497

cagccaccag gtacaaccgc gattcctaca aagcctggca ctcatgggcc ctggccaact 60
ttgaggctcg gacgacaatt gccagccagg caagtaagga cggcggaat ctggcattgg 120
ttccagggca tategtaaca gaacatgtga ttctgcgat tcgcggcttt tttaggtcca 180
ttgccctctc ttgacgtcg tctcttcagg atactcttcg gttgctcact ctctggttca 240
accatggtgg tgaccaggag gtgaactcgg tcgttacaga gggtttcacg gctgttaata 300
tcgacacgtg gctcgccgct actcctcagc ttattgcccg catcaatcag cccaacttca 360

gggttcgcag cgccgttcac cgcttgcttg ctgaa

395

<210> 24498
<211> 1023
<212> DNA
<213> Aspergillus nidulans

<400> 24498

atggaagacc tcctctcgcg ccaccgcaaa gaacaaaaag atttacaagc ccgcattacc 60
cagaagaaaa agtccgcaac caagaaaacc cgccgaggag ttaacgatga atgcgagcgg 120
ctccaacgag aactctccga ggcctatcag gcagagattg cggaattgac cggcgagaca 180
atacaacatc aaagcgaacc tcccgttgac gacttggaga atttaagttt aaatggcgac 240
agtgcgacga atggagatac caaggacttg gggagcacac ctaatggcac tgcgggagag 300
tcaacgacac caaattctgc ttcagcatca gcatcaattt catcagggtc atcgtcgccg 360
agcgcaacga gcacaaccac tcgtaccaa aagcccaacc gacaaaaagc gcgcttggcc 420
agacgcgccg cagaacaaac tgcggccgca gccgcagcct cagaggaagc ctctcagcta 480
acgaaccatc gcgggaccga acaagaggcg atggacgcgg ccttcaagaa actcaacgtg 540
aaagaaatcg aaataaacc agatggccac tgcctctttt ccgcagtcgc aactcaacta 600
gacgaactgg gcctaggact gcgccctgat ccctcacgca ttgtcatagg acccacaact 660
cagacgcgga tcgatacagt cgcaagtccc aaacacgacg ggtatagggc cgtgcgcgcg 720
gtgacggcgg attttattgc tgaacacaaa gatgaattcg aaccgttcac ggaggagccc 780
ctggagtctt acacgcggaa gattaagctc acagcggaat ggggcgggca gttggagctg 840
caagctattg cgcgggctta tggggtggat atcaatgtcg tgcagggcga tgggaggatt 900
gagaaaattg aggctgggga tggtgaagag gaggagcggg cgaaacgggt tatctgggtg 960
gcttattata ggcatacgtg tggacttggg gagcattata atgctttgac ggcgaaggct 1020
taa 1023

<210> 24499
<211> 945
<212> DNA
<213> Aspergillus nidulans

<400> 24499

atgctcccta cgccgccgaa ctgatctcc cctacccttc ctctcacgg cttccgggcg 60
 cgtgatgccg gctctcttct gtgcgccct cttgcgacat cacacgttga ctcgatatc 120
 gacctcggcg acgctgccga ccacgcgaac ccgcatcagc gcgatgcgac tgccaccagc 180
 cttgaggttg ccggggcgat cacaccggct atgctggcca agtaccatct ccctgagatc 240
 ttgctccagc acggccccct ggcaatccgc catgtgatgg gctacctgac gacctcgggt 300
 cctggcttct cggggatccc ccccgcaaaa gccaggcgat tggtcgtcgc cgcgcttgag 360
 ggtcgaggaa gcgacgataa gagcgacgtc gtctatgaaa aggtcggatg gggtcggttg 420
 gatgctcggc gccgcggcga accgtcgcgc gattcatccc gtcatgaaat gtcgccacct 480
 tccagtctgt cggatacttt ccagcgaggg gtgcagattc cgaggcggga tagcctgcac 540
 ccgtatagct ccagcgtggg cggtccgct gtcttctcgt atactgaaat ggagtttggt 600
 gggcgcaag acatgctgga gcatgaggca gataagatgt ctctggacgg aatcgaccgc 660
 gactactgct cttcttcacc tgctccagac gacgagattc cggacggaga ctggggcgag 720
 gaagatatca cggacgaaga ggactgggcg cagataggcg ccgctgagct gcgcgcgcgg 780
 tctatgaacg gtgggggtgg atttgtgaac ggcagacata cggcgagtt ccccggtgga 840
 ggaccggttt acctgaatct tgcaaagtct agaccgacgc gcttacttct attctacagc 900
 ttggatatct cggtgcccga cagccagcta gcgagcttta ggtag 945

<210> 24500
 <211> 1138
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24500

atgcgccatt tcgatgcgtg gatcctccgc gatctttact ctatcttcca ttactactca 60
 acgggccacc gctggaaaga aacaatccgg gacctgattc aagcccgcca gatttgcgca 120
 ccgctctcac tcaataatgc ctctctaca ccgtcttctc ccgtcgacct tttctccaaa 180
 acccatccaa tggaccccc aacagcaagc gccttcatca cgaaactgcc ctttgaaatc 240
 cggctcatga tctacgagta cgcctttggc gaccagggtg tccatcttgt ccagggtgaag 300
 gataagattc ggcattgtacg ctgcaggaat accacctcca gtttggataa gaatcgcneg 360

ctgttgcccc gttacgccgg cgagatggcg cacgaacggt cttgctgctt ctgcttcttt 420
 ttctttcttct gcagcgtctg cctcatcagc agataatgct agcagcaata tgctctatcc 480
 acatacccac ccgtcgttgc catcaaactc aagcaactcg tccacggccc tcctccgtac 540
 ttgtcgggtcc atctacgccg aagcatcatc aattctctac aagaactcga ccttcgacgt 600
 ggacgacctg acgacattca tcgctttcag tctgtccatc tcgtccgagc atctcgcgac 660
 gatcaagaag ttgacgatcc aatggacgcc agtctggcag cccatggcag gcgaggaaca 720
 taagagctcg atctactcgc acacacataa tgaccgactc tggactttgt tctggaatcg 780
 agttgcagct ttagccggat tagaggagtt ggctcttagt gttgatctcg ggtcgtttgc 840
 ggctgccaat gctggtgcga aactggccc aggcaatgga attggaaatg gcggaggagg 900
 gctgattgga gggagcaggc ttcgtctctc catcgccgag ccttgggtgg cgcccttgc 960
 gtgcgtcagg ggcctggcgt ccttcgagct aggaatcaca gcgaaatgcg atgccgctgc 1020
 gaagcacttt ctcgagggca gtttggttcg cgatgccgtg acactaaggg agcatttgcg 1080
 cgcggttatg tggtcggcac gggaggcaga gttgcctctt ttacctgggg tagagggtg 1138

<210> 24501
 <211> 744
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24501

gtaggcgaag ggggtaaatt gcttgagacc actaacttcc gtccgctgtg ttactgggga 60
 gtgttttcct ggttcgtctc catctctcgt cctccaggtc tccttctccc taaaggggccc 120
 aaaacaacac ctggttcccc gtactaacag gccgctctca gctctccttc tccttgctct 180
 ccttcgctcg gccgctcatt gaactttcta catcatggcg tcgttttttg aaaacgcgta 240
 cagcttggtc cacatggaca atgctgctga tcagccctcc cagcaggagc tgaagttgca 300
 gttggaaaag ggtaccgatg agaccaagtt ggacactatg aggaggatta tcacaatcat 360
 gctcaatgga gacccgatgc cacagttgct aatgcatatt attcgcttcg tcatgccgtc 420
 caagagcaaa cctcttaaga aactactata cttctactac gagatttgcc cgaaacacga 480
 ctcaaatggc aagctgaagc aggaaatgat cctggtgtgg taaggactga tatggccgct 540
 atttatctct tgtccatttc tctgattggt cacttttcct acagcaatgg cattcgtaac 600

gatcttcagc atcccaacga atacgtgcgg ggcaacaccc tgcgattcct ctgcaagctc 660
cgagaaccag aactcattga acctctcctt tcttcgcac gttcatgctt ggaccaccga 720
cacgcgtatg tcagaaagag cgcc 744

<210> 24502
<211> 793
<212> DNA
<213> Aspergillus nidulans

<400> 24502
acagtgcggc atacttggcc cgagccacat gaacccttca aacaccaaca tccgcgcctt 60
caatctcgcc gttcaaaccc ttctaagcac accatcccag ttactgccgc acctaacagt 120
cccaacaatc acccagctcc ccgagtcaat aggtccgctc cttgaaaccc attacggccg 180
aaaagcaggt cagcaacccg aaaaagggcg agaaataaca atacgcgccc tgattcttga 240
taaagacaac acgctctgtc ccgcgaagac aacgactttc ccatcgaaga tctacgcgca 300
cctccatacg ctccgcaact cacctacatc tccatttaac atttccactg ccccaaactc 360
catcctcatc gtttcgaacc gtgcgggac gcacccgct tacgaatccg aggctctcga 420
gattgaagag cgtctggcag aactcaaaat tccagtgttc cggttaccgt catcaccgaa 480
ggagggcggtg aatgttgaga aaaagccgtt ctgtggaaat gaggtgctag agtggttccg 540
ggagcgagga gtagtgcagc gagccgacga gattgctgtt gtgggagatc gggtggggac 600
ggatgtgctc atggctaagg agatgggggc atggagtgtt tgggtgcggg acggagtcgg 660
ggaggaggtg acaaagggaa agaggaatgt gcttgaaaaa atggaagtct gggtagagcg 720
atatttgagg gagtccaaag ggttgaaggc tccggcgcca agggggttcg agtcgagaga 780
tgactgcaat tag 793

<210> 24503
<211> 856
<212> DNA
<213> Aspergillus nidulans

<400> 24503
ctcctctgga ggcttccacc aggaatatat cgcctctttg cgctaccgaa atgacctccc 60
tcctcccgat atgccccga agttcctcga catccccac gagggccttg agagattcct 120

cactccccgt tttgcttcta atctaggacg acgcgaagag ctaaacattg atgttgatgc 180
cgaagggtgt atgccaattg acctagtcgg tatccccggg ttgcacctag gcgacgagag 240
tggtacgtga acaacgccag gcatttgcgc gaaactctgc ggactgacct gttttctgct 300
tcagcaatca tgctaccaga gaaccagac ccggttgacc cggctgacct gccgtactc 360
ttgactctcg atcaattgaa aaatccggcg cccaagaacg ccaacgtcag ttttctgcgt 420
cggacacaat atatctccgc cggcattcgc gccccgatg gtccgaaggt taatacgccc 480
atccgtccca agcgccttga caaaaagtcc caggatgacc ctacatatat caagaaatat 540
atcatgaaag gatttgatat tgcataccct gatagcaaac acgtgggcca agatacctcc 600
agccgtataa aagggtcacgt tccaacgaag ctcgagatgg acgcatgggc ccaacccgtc 660
catccagata atccaaagct gaagcccatt ggattcttcc cgcttggtcc agatttacia 720
ggatttcccg accctggagg tttcgtgcag ttcaaattcg acaaggcgcc tgttcagaac 780
tctggcggca agcgggacga gcgtatggat gttgcagttc tgctccctc tgagccagag 840
gacgcgttgc gcagga 856

<210> 24504
<211> 972
<212> DNA
<213> Aspergillus nidulans

<400> 24504
agtctattat cagcaaattc tccgccttat ggattcatgg gctatgatcc accgcgctgc 60
taccggctgt ctctcgatct taacaaagtg agtactctgc tgatgtcttc ttcttacgct 120
aacagcccag ccacgacgtt aacttcgacg agtgggaagg tgatatgaaa tcgcgcgtct 180
tctggaactg cctcatgaac gaaacgatcc ttgtacagga actccacctc cctcctagcg 240
gtctctcccc cttcgaagaa gttgtaccaa tacccaaatt catcggtttt gaaaccctag 300
gctttgtccc tgcgcgtttc tccccagccg acgagatcga cgattcattc ttccagtatc 360
acttcctagc acaggttgcc caccgcatca tccttactcg catccgacac tccctctact 420
tctactccga ctccggaaca ttccctaaac ccgccgtcaa cgccgaactc caccaccaac 480
tcgagcaatg gcgcctaaac ctcccatctg gtctgcagtt ctccgatata cccccaacag 540
caaccgcggc aaccgcagca acaccagcat taaataccac ctcaccacaa acaactaccg 600

cctcgccgaa cccaaatccg atctctccgc atcccctctc ctcaactacc aacacgacca 660
cgaccacccg cccctcacc cccgctgtag ccgtcgctga agccatgctc cggggccgct 720
acatgattgc caagttccac atcgccgctc catatttata caaggcgctc cgcatcccgt 780
ctctcttaac agaagacgac ctcgaaacaga tccgccgagg actacaaaac gccatggatt 840
ggccgattat tcatggcacc ttccgcgaca tgaagagctg catacctata aaattcgcct 900
tctgctcgca gttcttcggc caaatactcc ttttctactg tattgcgag tcccctgatc 960
ctcgcgttcg ag 972

<210> 24505
<211> 1384
<212> DNA
<213> Aspergillus nidulans

<400> 24505
atgttttcgc gctccattca gcgatacctg gtttcttcaa ctcgagcgcg cccatggctc 60
ccaccgaggg ggcccggtag ggtgtgcgcg atgttttctg gccagaattt cacacagagc 120
gcaatccctg gagctcctga tctcaggat cagccgaacc aagacgacgg taaaggcaaa 180
gacaatgacc aggagcctaa tctcaaactg accatcctga aaatgctgga gtcagcggca 240
acgactttcg cgtcaattgc tgtcttaggg tatatccatc ctagaattga gcttgattg 300
gctgttgact aaccagtaat agcattgctg ggtactcata ccataaatat tacaagtatc 360
tcattcttca aaagatggag aacgcttttg aaccagggtga ccctgcgctt gaggttgccg 420
gcgtaggggc gaagcagtat aaccatgagg agcactggtt gggtcgagac gagcaacaca 480
agatcgacca gatcatctcc ggtgggatcc cgggccatta cttcctgctc atcggtgaga 540
aagggtactg gaagacttct atgcttctgg aggccatgcg caaaatcaat ggagacgggt 600
gcgcaatttt cgatgctcat ggtgatcagg agattttccg gatccggctt gggaaagcgc 660
tagacttcga gtttcatgaa gagtacgcag gatattttct tgaattgcac gtgaggatct 720
gtactgacgc acctccgcag ttacatcggg agcctcttca gcattaaagg accgagggat 780
accaccgccc tcttgatgat tgagcgtgca ttcaacaagt tggagaaagt cgcaatgaaa 840
aggaggtcta atgggaaagc tccgcttgta ctgatcatca acagcacaca catggtcagg 900
gacgaccccc atggccaaga ctttcttgag atgatccagc aaagggccga gcagtgggca 960

gccagtaacc ttgttacaac aggtttgtat acatgtgaat atccaaattt gaagtagatc 1020
 cgggctgact gcagcatgaa tagttttcaa cagtgatgac tactggggtt atgaaagact 1080
 aaagcgttac gcaaccagga tggaaaccat cccagtgggtg gacctcccca aagaaaaagc 1140
 aatggcagcg ttgagaaaat accgcaaaga ctacttcaac gagcacctat ctgatgaagt 1200
 cctcaaagca gtctacgaca aggttggagg ccgcctatcg tacctcagca gggttgcaaa 1260
 ggccccgat ttcataaagc tatgcaacga tatctgcgaa gctgagaaga cttgggttcct 1320
 caacaaatgc tggatccttg gagaggagat ggatgacgat gtcatggacc agcaaaaagta 1380
 tctt 1384

<210> 24506
 <211> 778
 <212> DNA
 <213> Aspergillus nidulans

<400> 24506

gcacaatggg cggtaaaaat gagaaagtca attgagggat accttcagga aggtgctggc 60
 ggaaagtctt actatcggat ggtagatact gttctgtcac gggacaagaa ctgggttcgc 120
 tggaaggctg aaggttgccc tccgattgag aagcctgcgg tctctgttga tgagtatctt 180
 ggggctcgtg ataaagcaat caagacatat gccacaagc gccttcgtgc ttctcctatg 240
 aactcactta atcttaagtt cctgtcagag agcgagtcac catctggatt tgacaggctc 300
 aaagagcccg aaaggtgggc atttcctagg tggtaagaa gttgtctgac atgagtctag 360
 gttcaatgtt cctacttcag aatccctgat gcgagtata gaggacgtcg aattcgacat 420
 tgatacggcg caaaccagtg aggataaaga agcggcagtc caagcaaaag ctagtaaaac 480
 ctggctgttg ttgcggcttt cagccaagag caagctcgca gcctttgaca agattgaaga 540
 tggaaagaat ctaaagaccc ttttcgagac ccacaaaagc gctgaaagta caaccaagc 600
 cgccggaagc acaccgcaag agcctccgac aaagacttct caggagaccg aagcaattaa 660
 taatgggccc tcacaggatg agaaaatgga gaccgaaaca ggaagttctg ccgctgttgc 720
 tgaggcgaac aaagtcgaag ggagcgatgc agcgactatt gatgcgccg ggatcatga 778

<210> 24507
 <211> 814
 <212> DNA

gcgattgata tcaactgcgaa gacgggtctgg ggcgccttc acgctttcac tacgctccaa 480
 caattggtca tctcagacgg aaacgggggt ctgattcttg agcagcccgt ccacatcaaa 540
 gatgcgcctc tctacccata tcgcggaactt atggttgata ctgggaggaa cttcatctct 600
 gtccgcaagc tacacgagca gctcgatggc atggcactgt cgaagctcaa tgccttcac 660
 tggcatctgg acgataccca atcatggccg gtgcacattg atgcttacc ggagatgacc 720
 aaggacgcat actccgcgcg cgagacttac tcccatgatg acctgcgcaa tgttggtggcg 780
 tacgcgcgcg cccgtggaat cegtgtgatc ccggaaattg atatgccgcg ccaactctgcc 840
 tctggttggtg caacaggtct gaccccgata ttgtagcctg cgccaattcc tgggtgtcca 900
 acgacaactg gccgttgcat actgcagtcc agccgaacct aggacagctc gatatcatca 960
 atcccaagac gtacgaagtc gttcaagacg tgtacgaaga gctatcaagc atcttcaccg 1020
 atgactggtt ccatgttggt ggcgacgaga ttcagcccaa ctgctacaac ttcagcacct 1080
 acgtgactga atggttccaa gaggaccctc cgcgcactta caacgacctc atgcagcact 1140
 gggtcgacaa ggccgtgcct atcttccgca gcgtcagcga ctcccgccgc ctagttatgt 1200
 ggaagacgt cgtcctcaat accgagcatg ctgacgacgt cccgacagac atcgtcatgc 1260
 aaagctggaa caacggcctc gaaaacatca acaagctcac cgaacgcggc tatgatgtga 1320
 tcgtctctc cgcggacttc atgtacctcg actgcgaccg cgaaggttcc gtcaccaacg 1380
 acgacagata caacgagcag accaaccag accctgacac cccgagtttc aactatggcg 1440
 gcattgacgg ctcttggtgc ggcccgtaga agacatggca acgcatctac aactacgatt 1500
 ttaccctcaa cctcacaat gcccaagcaa agcacgtcat cggcgcaaca gcaccgctct 1560
 ggtccgagca ggttgacgat gtcaacatct ccaacctgtt ttggcctcgg gctgcagctc 1620
 tcgtgaact cgtgtggtca ggcaaccgcg atgcaaaggg gaacaaacgc accactctct 1680
 tcaccaacg aatcctcaac ttccgcgagt atcttcttgc caacggcggt atgggtgcta 1740
 ctgtcgttcc gaagtattgc ctgcagcacc cgcgtgcttg tgatttaaata tatgaccaga 1800
 cagtccttca ctag 1814

<210> 24509
 <211> 366
 <212> DNA
 <213> Aspergillus nidulans

<400> 24509
 cccccggttt cctcaacgct tcccagcgat tccaccagc ttttatcgac cgccgacaaa 60
 gctggagatg cagaggatgc tctttacgaa caacagatca aagatgttga agcgtggtgg 120
 aattcccccc gctttgaggg catcaagcgg ccctactcgg ctgccgatgt cgtttagcaag 180
 cggggatcgt tgcagcagac gtacccgagc tcgttgatgg cgcggaagct gtttaatctg 240
 ttgaacgaga gagcggcaga gaataagcca gttcatacga gtatgctgct gtgcttgtga 300
 accgtttgga agatatgcta atgcgtacat agtgggcgcc attgaccgt acagatgacc 360
 agcagg 366

<210> 24510
 <211> 879
 <212> DNA
 <213> Aspergillus nidulans

<400> 24510
 atcaggaagg cgtatagaaa gaaagctctt gaactacatc ctgacagaaa ttttggaac 60
 gttgaagcgg cgacaaacct tttcgcggaa atccaaatcg cctacgaggt gctttcagac 120
 cccacgagc ggtcgtggta tgactcgac cgtgatcgt ttctaggtgg tgacgctggg 180
 ggcgaggcgg ctgactactc gcataacgcc cgcattgacga gctctgccga tattctgaat 240
 ttgttttcca agttcagtc tcgaatggac tttactgatg cgccctgtgg attttatggt 300
 ggctcccgcg agacgttcgc acagcttgcg caggaggagg agatggcatg ccgctgggaa 360
 ggtgtagaca gtattgacta tccatcggtt gggaccgtc atgacgggtc tcaagttgtg 420
 cgcgattttt acgctgtatg gggcagcttc tcaactagaa agtcctttgc atggaaggac 480
 gtctatcggt actccgaggc tccagaccgc cgagtcctgc gtttgatgga aaaagaaaac 540
 aaacgcttgc gagaagccgc tattcgcgag tttaatgagg ccgtgagatc ctttgtggct 600
 ttcgccaaga agcgagaccc gcgtacaag atttataagg atagcctgtc tcaaaaacgc 660
 gaagctctcc gccaatctgc tgcttctcag gcagcaaat caccagcagc aaatcaggct 720
 acgttacgag agcatgttct acaagattgg gcaagatccg aggaaggctc tgaagaagag 780
 gaggcagata gtgaagaagt tgagacggag catattgagt gcattgtgtg ccgcaaaact 840
 ttcaaaagtc acaaacagtt tcatgctctc gagacgtag 879

<210> 24511
 <211> 372
 <212> DNA
 <213> Aspergillus nidulans

<400> 24511

gacctgtcgt tcgagtgaca cctacactgc tccttggtcag cgatcccacc aaactccctg 60
 agatctacca tgcgaatgcc gacaagactg gtcactacat aaccgggtcc ttcggcgaga 120
 ccgagtcgct cttcaatatg aggtcgcaca agacccatgc cgcgttccgc aagcacgccg 180
 ctggaccggt aagatcgatg caacaagggt cccacaggaa agtaaagtca tgctgagatt 240
 aagcagtaca gtttctcgag cgtgaagcgg atggagccgc tcatcgatgc ccgcattcgt 300
 gactgggtcca acaaactcaa tgagaagtac gtccagacgg atgaggcggt cgacttctca 360
 tgggtgggctg tg 372

<210> 24512
 <211> 936
 <212> DNA
 <213> Aspergillus nidulans

<400> 24512

ctgactcttg gttagtttagc gaaagcatca actttggcct tggtttagcat ggcagtcatt 60
 gttattgccg tggtcactca gggctttcga gttccacaag actcgcgcgg tgacgtgaaa 120
 aacctactct tgttgaatac cggtttttt caagccgtgg gggttatttc ctttggtatg 180
 tccagttgcc acccctgcat atttcaaaac ctggtactaa ttatgcttag catttgtttg 240
 ccgtacgtgg tagtccccgg atagcactca gacaactgac ttttcaacaa gaccacaata 300
 gcctcttgat ctatggttca ctgaaaaagc caacgttggg tcggtttgcc aaggctactc 360
 actactcgac cgggatatcg ctcttaatgt gcctactcat ggggtgtctt ggcttcctat 420
 tcttcgggtc cgagacacaa ggcaacgtgc ttaataattt cccgtccgat aatattctga 480
 taaatatcgc gcgactgtaa gagcaagatc tacctaaaaa taagcccaat attagtgagc 540
 tgacactcgc atagttgctt tggcctcaac atgctcacta cgttaccgct tgaagccttc 600
 gtgtgtcgtg aggtcatgac gacttactat ttccctgacg agcctttcaa catgaatcgg 660
 cacttaatct tcacatctgc cctggtacta acatccgtag caatggcact gctaacgtgc 720

gacctgggcg ccgtgttcga actgattggg ggcacaagcg cagcctcggtt ggcctatatc 780
 ttctctccgc tgtgctatat caagctgagt aatggctcgc aaaaagcgaa aatccccgcg 840
 tacgcgtgca tcgtcttcgg agtcaccgtc atgggcgtca gccttctaca ggcagttggg 900
 aagatgataa agagtaggtg tccctcctat ccataa 936

<210> 24513
 <211> 600
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24513
 atggattccg cgcgtaaaca tctggcaccg gtgatccagc tcttgaatg gctccagtgc 60
 ttctcatcac taggcgagga cttcgagtct ctcgtaaca cactcctcca gctacaagac 120
 ctgacgccag cccagatgct tcatgcggtc aagcactacc ggcctgaagt aggagaaaag 180
 ggccttccga agtccgccat gaaattcttg gtagagctcc aacgcgaccc cgaactgata 240
 tttagggagc agttgaggct tgtccaaata aaagcagatt ccctggcccc aacgtcagcg 300
 ccaaccgagg aagggcgccc gaaaactcca cgccaggacc acgccccctc aacgtccaat 360
 tcgccaatt ctacggttgc ctctccacga cgggggcaa gctcacgggt agatgaccgc 420
 aacggcgcta ccaccgtgtt cttagatcct gcattgactc ttccgttttc gctgccgact 480
 agcacggaca tgctcatcag ctacggggcc ggttggggcg gaaaccacaa agagcggggcg 540
 cgccagtaca ttccaacggt actgcctgag gtactggagc gctttgaccg tgacgtttga 600

<210> 24514
 <211> 1504
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24514
 ctgcgggggtg cgctctggtc cgccgcctcg actgcagaca tgccttggcg gcctctgcct 60
 cgaatcgctt ttgccgttgc catctacccc ttccagccct ctactccggc cgacctaccg 120
 ttagaactcg gtgatgagct gtatataata gaacaaggcg ggaacaatgg tgaatggtgt 180
 cgcggtact tggttgctcc gccgtctttg ctggcggggt taacgagcac caaaggccag 240
 acccttgagg cgcgagtatt ttcgggtatc ttccccgcga attgcgtgga gatccgcgaa 300

gtcctgggtg atagcgaagg aaataagacc ttgacaaatg gggactgctc aattgacgac 360
 agggcggaag atgcggaggt ggatgtgctg agcagtttag cttcttctca atacgacgaa 420
 caagtttcgg gcgagatatc tgaagtattg gtcgctcgaa aagagaagcc ttcacagatt 480
 ttcattccaga agacagacga tgatgaccag tcgactccac gaggggctcg ggccagtcctc 540
 tggggaatgc ttccacttac gccgggtcaat gtagccccgc gggatcctga tgcacccaag 600
 ccacgtgctc cagtgcctat gctcaaaata ggcgacgaaa ctcccacctc actttccgag 660
 ccgttggtcg acgagatcgc atcatgtttg cgtgagtggc attcgactaa gctacatgag 720
 ctgcttctgt cgcagcaata tcaggttgtg gaagaaatgt cgactatcgt ccaggagctt 780
 gattatgcc aacgacagct cctatacaac gtgctaactt caaaagagaa ggaggtgctc 840
 aggcaagagg ttgtttggaa acttggtcgg ggtaacaagc tacttggtgg ggaagtgatt 900
 gtgcgggatc ctgaacaacg aggtcgactg ttgacaggcg aggattctgc cgtacattta 960
 gcaaagctcc agtccgaaat gagcatgctc gagagcagtc ccacgcctgc gtcggacacc 1020
 gcagctcttc atcatttget cgtggaagtc aatgctgtat caggaaatgc ccctgggcca 1080
 gtagttctcg ccgtcagtct gtgcacggta tcggacaccg gccctctaaa agcattgtcc 1140
 gagacgtatg ttctggatat tcttccccca gaacaattcg caagttcagg gcagagcaat 1200
 aagctaaaga ctctcttcac tgaattggcg gctacggata ttggggatgg atcagcaagc 1260
 gggcctaagc tctatctttt agtgagcgtt cgagcaccgg aggttgcttc cgcaagcact 1320
 ccagttcaga ctgcaccttc agcttctcgc gaaggaacaa cctcgccaaa gcctcctacc 1380
 gccagcaatt ccgtcaaggg gccaggtctg aaaccccgcc gcagcattat gtggctgtcc 1440
 aaacgtggca ttcagagctc agaccaacca aaggagaccg ccaaactcc gcagtcctca 1500
 ggga 1504

<210> 24515
 <211> 298
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24515

gtttctcggg ccaccacctg tctactacaa cgccttcgaa tccgcctgcc gtaaggggtg 60
 tcttgcgacc gtacagtcca ccctatctc tgaaacctgc acatctactc ctgcttttct 120

ccatcatggt ctttgccttg ctttgaaagc aggcaaccct gacgttgcg gctatctttt 180
ggcttcgggt gtcctatta ttccgagaac gccggaacat gttctctct ccccgtaga 240
agcgcagatc ccactctttg agcttctctt cgagcatggg tgggcaacga acactcct 298

<210> 24516
<211> 945
<212> DNA
<213> *Aspergillus nidulans*

<400> 24516

tcaatgtttg acgctagtcc cgacgataac tttctatctg accttgccgc atccaagggc 60
gcgaagacga acaaccctt ccagattttc aatgggtgaag agtccgaagc cgacaagaac 120
attactaggg cactactctt gggcgacttc gagaaagcgc ttgaccacgc tctcaaagag 180
gaccgaatgt ccgatgcgtt catgattgct attgttggtg ggcagaagtg catcgaaaaa 240
gcgaggagc actacttctc caagcagacg gagagcccca actacgtacg cttactggct 300
tccgtcgtcg gcaagaacct ttgggatggt gtatacaatg ctgatctgtc caactggaag 360
gagatcatgg ttgctctctg cacattcgtt gacgaaaagg acttcgccgg tctctgcgac 420
gccctcgggtg accgtctcga ggaacacatt cgaaacactg gcgacaaagc atttcgcaaa 480
gacgcctcgc tctgtacct tgccgggtca aaattggaga aggtgggtctc gatctggatt 540
gaggaacagc gcgagaatga gcaggcgcc atcgaaacgg ctgctgaaga ttccagtttc 600
tctattcacg ttccgctctt tcagtcattg atcgagaaag tgacaatctt ccgtcaagtc 660
acgaagtctg aggactctga acgtaccaag gattgctgact ggaagctcag cgtgctctac 720
gacaagtaca ttgagtatgc tgatgttggt gcgactcacg gacgtctaca ggttgctcag 780
aagtacctcg atcttggtcc cgagaaacac cctgaggcgg agattgctgag aaaccgtatc 840
aagctagcga tgaggcagcc aactaccaga gctcaaccgg cgacctctac tgccagggtc 900
gtttcgaaca agcctcttcc ccagccagct gcatatcaac ccct 945

<210> 24517
<211> 986
<212> DNA
<213> *Aspergillus nidulans*

<400> 24517

tacccaagg caatgatgtg gtctattgtg ctctgcacca caatcgtaat ggcagcatac 60
gacaccgcac taatcgccag tttctttaca ttcccgccct tcagggcaaa atatggagcg 120
cctgtcccggt caaaacccgg tacgcatgag atctcgtcca cgtggcaggc cagcctgaca 180
gccggggctg tggtcggcga gattctcggc ctgctcgtca acgggtacct ggccgattac 240
tttggctacc gtcgcacaat ccttggcgcc ttggctgtgc tctctgtctt tatattcctc 300
gagttcttcg ctgtgagtac gcgaatgttg ctggcgggcg aggtcctctg cggtaaacad 360
gagacgcttc gctgttgta atggaacgtt tgttctgacc atcatcagga atcccctggg 420
gcatcttcca gactctgtcc acgacatatg ctgccgatgt catcccggc gcgctccggg 480
cgtactttct gagcagtgtc aacatgtgct ggctactcgg ccagctttca gccgtaggcg 540
tcgctcggct tctggtaacc agcaaactcg aatgggcata tcgcgggccg tttgccattc 600
agtgggtgct ggctgtcctc gtttttattg gtgtctatct tgctcccgaa tcaccatgta 660
caaccacccc cctcccttc ctagccgcaa ctccagcgtt ttcagggccg agctgattct 720
aaaacagggt ggttgatccg caaagaacgg cctcacgaag ccagaaaagt gttgcttcaa 780
ctaacggagt cacggcacgg cggcgtcaat gtggacggca cagtctccat gatgcagcat 840
acaaacgagg ccgagaaatt cctgggcacg agccgaatgg cctacctcga ctgctttcga 900
ggcatcgacc tccgacgcac ggaaatcaca tgcattgatc ggatcacgca acaggcgtcc 960
ttctccacgt ccgcaacgta tgcggc 986

<210> 24518
<211> 299
<212> DNA
<213> Aspergillus nidulans

<400> 24518

cgagtttcgc cagcatcgcg accggtgcct gtcttcgatg ttttaccgtc agccttggtc 60
atgccacgat tggcccgga agtcctgcgg ccttgcgcgg caagcgggga ttgggcccac 120
atgatttgat agtcaccact agcgatctat atcagcctat gctcgaagtg ccagacaaga 180
acctgagctc ggacgaggag aatggggatc accgtgaagt agtagcgaca atctgccagc 240
cttgtaagga ggacgctttg gctaaaggga agcagaaatc tgcctgaact ctgggaccg 299

<210> 24519

<211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 24519

aacgaccaat cttgtatcgg cccaaacagt ctgactcgtc aattggtttc tctgccatgc 60
 gtggaaactc ttgtcaacgc gatgttaciaa ggcggaaca ctttgacagt cggtgttgga 120
 attgtaattg aagttatccg gaagaacaac tctgattatg acccggagca cctgaatgga 180
 cctgattcta ttccctaccat gtacgatcct atctatctcg gcacactact tcgtgttttc 240
 gccaaacata taccgcgactt tgtggcggtg attagcagct caaagcatac gggtgttgat 300
 ggagggaaga tgaagagcgt ggaacgt 327

<210> 24520
 <211> 475
 <212> DNA
 <213> Aspergillus nidulans

<400> 24520

cattgcgcat atctggcggc atatctatac agacaattag tgctcttacg tcattctaac 60
 aacgccccag tctgcaggat ctacactggc tcgcagaagc ccggcttcgg aaacgtctca 120
 ctgcaagggc ctaccgttgc cctatctgtc ctcgacccat caggaacgat ccatggctat 180
 gcagaagtgc aaagacacgc agacaaggac cggatatacc tccgcagcgg gacgatatgc 240
 aatccagggg gcatggcgca cctcggctgg ctgaggatgg acgatatgag agccgcctgg 300
 gacgccggac accgatgctc tcctcctatt caggaggtgg acgggaaacc gaccggaatc 360
 gtaaggtga gcctgggggc aatgagcaca atagctgata ttgagggttt tgctcgttgg 420
 ttaaagagga actacgtgga tcgatacatt ggctccctt actcggagaa gtcaa 475

<210> 24521
 <211> 333
 <212> DNA
 <213> Aspergillus nidulans

<400> 24521

atcatgtcgg ctgcttcgct ggagccaccg acctacctca gctccctcca aaacaacatc 60
 cgagctcgcc ctatcccgtg ggaggagct gttcgagctg gaaacatcac agacgatcac 120

ttgaagaaga ttaaggctgt agacaaggtc cgcaaggaac aacggcgtca gacaatcgat 180
 ggggatatcc cgggatacgt gaccttgctg gcgggaggtt caagcgggaa gagtgtcctc 240
 gaatcggccg caaggagaag cgatattgta cagtatatcc ttgtcctggc agcagatctt 300
 ataaacggta tgccactgcc aacgcctgac tga 333

<210> 24522
 <211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 24522
 atggaaaagg tcagtcacac agaccgccct aaccgtcagg gatgggagga aatggctagt 60
 gtctggaagg ctgcgcgcga atgggttgac gaatctctcc tagagagcga acatttgacg 120
 agcaataata caggaggcga agcctcaacg ccaacgcagt cgacaataat caaagaaagg 180
 caggagaaat tgggtggttg ttggggaggc actgtctggg taattaatgt ctaccctgat 240
 cggcctaaca agagcaaccg ggaccttagg attggctctg ttgaagttgc tactatgtgg 300
 gtttctttgc tctcttgac catctaa 327

<210> 24523
 <211> 228
 <212> DNA
 <213> Aspergillus nidulans

<400> 24523
 atggtcaaga cctccgttct caacgatgag ctcaacgcc tcaacaacgc cgagaaagct 60
 ggcaagcgcc aggtccttat cgcctcttcc tccaaggcca ttatcaagtt cctgagcgct 120
 atgcagaagc acggtaagtt ggcactttcc gctcttcgac agggaaagcga tgtgagaaga 180
 cgtgaggcaa tttgtgagat caaaaaattc gggttgataa ctaggcgg 228

<210> 24524
 <211> 735
 <212> DNA
 <213> Aspergillus nidulans

<400> 24524
 acttctaacg cgacgagtg ccccatccg atctcaattc tcgatgaaga aggaaacgag 60

attgccagca tgaatcactg ttccacttga 690

<210> 24526
 <211> 798
 <212> DNA
 <213> Aspergillus nidulans

<400> 24526

ggatctgtgc cggagctctg ccgccacaaa cccagatacc gtgagagcgt tgggaattggc 60

cctacgcgag gtcttagata acatcaaagc tgcaacgtac gcctacttcc tgggattgtc 120

atgtaataca actaatttct gtttaggtct cgtatgcgac cgcgcatctc tccatttgag 180

ttcgacatcc aggttcaaac ctttccctct ctctgtctcc aactcctgcc tgcgccacct 240

acactattcg cgccgaaccc atttccctcg aattcctcct tccctctcga ccctccagga 300

ccagaccacc tcaacatagt ccgccaggcc atccgcgcga agattgaaca atggcagtcg 360

gaccagctcg ccgcggagtc cacgaccaac cttggaaaaa ccagtctcgg catggatgcg 420

accacaattc agcgtaacgc gcaacaacac gaggaactga gcctgcgaca cttgaactc 480

gcctacaagc actggctatc gctcccctac gactcgagaa gagacgcttg gcagcttgaa 540

atcatgcgcg cattcgcccg cgagtcgag aaacgcaagt ctcttgacga gcagctcgcc 600

cgcgccagc aagaggctaa ccaacttcga tccaagtcg agaaacttgg gacgtgtcaa 660

tggccgcggg aattcgcgct ctttccgcc gaaacattgc ccctgccgcg cgatgtcgcg 720

cgtgaacttg atgccaaaga gagccaaatc agtcccggct ccgcacgctg ggactacgaa 780

aatgtcgtcg aaaagtag 798

<210> 24527
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 24527

gcatatcacg cgtccgataa gatagtgcag cacaacgggt gcggaacagt caacgtgagt 60

ctttctattc ttatatcttt attctttatc ttctctctct tcttcataga gggatgccgc 120

acttactgac cattatctta agatcatcaa cttctacgcc gaggactacg gcaaggtcta 180

ccgctcctgc ggtaactgca gctcccagtg caagcgcaac gtctacattg agggcgtgac 240

cgcgtagcgac ggcggcgata tctgcgcat caactcgaac tatggcgata cctgtactct 300
gaacaacgtc tgcactgacg ccgaccaccc ctgtgtgctc tacgagggat gcgccggcgg 360
ttgcgagccc gagaaggteg gctactgctc cggttaa 397

<210> 24528
<211> 502
<212> DNA
<213> Aspergillus nidulans
<400> 24528

accgcataaa caccgacatc tcgcaattac tacagcgggt cgagaatata atggctactg 60
ctacggtgcg ctgttctcac tctctttatt ggcacggaa ttgcgtaatt tggtaattat 120
ggccgctgac tggttctgct tttgccaggc cgaaagcaca agccacacca caactgccgt 180
cgagacatat cagctagatg tcgagtctac ggcactggta cgtccttatt ctacgctat 240
ttattggcgc tcctactctt aaaccaggcc aattcgtcta tcactgcata ctgataccac 300
tcctcgacga aaacagatcc gcgccggga agacatctc tcactcacc gtacaatgaa 360
ggagacttgg ctatttggca agcttgacac actgggagaa gacgaatccg agaccaaacy 420
ccgcgaggga ttggagcagg atgccgctgt cattcagaag atcattgagg atgcgggaat 480
attaaaggcg cccaagaaat ga 502

<210> 24529
<211> 346
<212> DNA
<213> Aspergillus nidulans
<400> 24529

agttcccgcg cccctgaaca tcgctcataa gcccctttcg gttacgtttc atacattcga 60
cgacggaaaag cttgctattc tggatgacg gcggaaagaa gagcaggctt cgaaagcgga 120
cgttgtgatt gggatgaaca atgccggaga tgtctgctac ctgtctaaat tccagggtc 180
cccgtggat gccctggtgt ttatcacaaa gacctcgctc gcacttgaga aggtcaagta 240
catcaacggc attattgaca aagctctgca ggctgatctt gcgaaacggc ctaagggtgg 300
gctcgcgag caagccagag cagagaacga tcggccagtc gcatag 346

<210> 24530

<211> 306
 <212> DNA
 <213> Aspergillus nidulans

 <400> 24530

 atggccagcg gtagggctcc aggtcgatcat cccgccgctg gccgggatga tgacctgctg 60
 cagctggagg agtcgactcc catctacaac acgggacggc ctccgccggt aaacgacgaa 120
 agcctcttgc gacagtacaa cattgacgac tctgaaaacg ctcagccccg tccgtccgtt 180
 tcttatgaca attttgtcgg tgggaggggtg acaccacacg ccggcgccca tgcgacaggc 240
 tccgcgcctc cggatgcacg cggagtgtac atgaacgac cctactccgg acaggacgta 300
 tgccgt 306

<210> 24531
 <211> 304
 <212> DNA
 <213> Aspergillus nidulans

 <400> 24531

 atcacatgcc catcaaattc tcaactcttta cgcactgggg gcttcacctg atgagatcca 60
 ggctgcctat gatcggaaca agacgtatca gcgaaaggct cttccaatgc acgaggatgt 120
 tgtaaacggc cttcatcaga aaggcaaatt caaggacgca ctaggcaagg agaagaatta 180
 ccctgatttc ctcgagttct tccagcgcga gatcgacaaa aagggtgttg aggctgttct 240
 ttctgagtac ctcttcaaac aggacgagaa cgctgaaagt atgatggcaa ggttggttgg 300
 tggt 304

<210> 24532
 <211> 570
 <212> DNA
 <213> Aspergillus nidulans

 <400> 24532

 gcatcggttg tctggagcac aatgacatta tgatgaatgt atcaagtgga 60
 agccaaccag attatgatct cttagccacc tccaaacgac tggacgttat agaagccatg 120
 atcaccggtg accacctgga ctctaattccg cttgcgcaat ttccaaccag gcaacccgcc 180
 gccaatccgc cctcattacc cgatcaactc atgcagcgcc agctagactt ctggagtgca 240

atcggtcact ttttgactct acatgacaac gaggccagcg ccgcgaaaga aattgatgac 300
acgctcggcc gttgccgcac gctcctggat acgtacgaaa atcgagacgt catctattca 360
atcgcaatcg cgcgccatct aggccaacgg tgggcccact tcccgcacag cttccccgag 420
cctattacca cgaacgagaa agacgccggg gccaaagcttt atgtcgctca gaaattcctt 480
gaacaggaag ctggggggcaa gggcacgacg caggtcataa agcgccctgtg cggcatggtc 540
gtccgctcct ggtatgtttc gcgggaatga 570

<210> 24533
<211> 1146
<212> DNA
<213> *Aspergillus nidulans*

<400> 24533

cgcccactca acctggaact cgtctctctc cctcgcagac ctagtcactc ccaaggccac 60
gaaccgcgcc gactttattg ccgaatgcaa atctggcgct ctggacggcg tcgttgctgc 120
gtaccgcacc ttcgactcgg tctccatcac cggctctctc gatgaggaac tcgtcaacgc 180
tcttcttctc tcgctgggtat atctagegca ttgcggtaat ttcttcccgc ttccttcttt 240
gggggcagat actgatatag gaatgcaggc gccggctatg accaaatctc cacacaagcc 300
tgcacagcgc gcaatcctcc gttacgagtc tccaacgtcc ctacagcggc cgacgacgca 360
accgcagacg taaacatggt cttgatcctc ggcgcactcc ggaatttcaa cgcaggcatg 420
cacgccctcc gccaggggtca ctggcggtggc cttacaccgc cgcgccttgg ccacgaccct 480
gagaataaag tcctcggcat cctagggcatg ggtggaatag gacgcaacct gaagcgcaag 540
gcagagtcgt tcggcatgaa agtaatctat cataaccgcc gcgaactgag tgctgaactc 600
gcagggggcg cgaaatacgt ttcgtttgag gagctcttga aacaatccga cgtgattagt 660
ttgaatttgc cgttgaatgt gcgtccctta ttccttccct ctcgtcatgt tgactctgga 720
ctggtaaact gatgggtgtg cgtagaaaaa taccgccac atcatcagca ccgagcaatt 780
caaccagatg aaggacgggtg tcgtgatcgt taacacggct cgtggtgccg ttatggacga 840
agacgccctt gtcaaggccc tcgacaatgg gaaggtctac tcggccggct tggatgtctt 900
cgaggacgaa cctaaaattc accctgggtct tgtggagaat ccgaatgttt tgcttgtgcc 960
gcacatgggt acttggaactg ttgaggtatg ttcctctcat tcctgccaat atgcatatgc 1020

attggtcaga agttaactcg aatgcagacg caaactgcga tggaggaatg ggctattgag 1080
aatgtgcgaa tggccttgga gacgggcaag ttgaagaccc ctgtccccga gcaggctgat 1140
ttgtag 1146

<210> 24534
<211> 1870
<212> DNA
<213> *Aspergillus nidulans*
<400> 24534

ctcgggggag acggcgaccc cgtaccata tctgatcact tggcacataa cgctttcaaa 60
gagattatatt gcagaaattg caaccgtggc gacgacaaga tgccttcacg acttttcgaca 120
cccgtcttga cgggtggacac agcaaagatt cacaaggtgg atacagcaa cacacagagc 180
ctccatggga tgtggatggg taagttggta cgaactttcg caagagacta tactgacctg 240
tgcagtatatt tccaaatgcg cagacttcat ggaagagggc cgtcgactag agaacctcag 300
ttggagggtt tggactcgcg agactttctg tgtagaacca gaaagttcca gcgacacctc 360
ggctcttgccc ttgcttcgtt cggaagccgc cgacttacca gaattgtcag ccagcgtgga 420
atcggctgct tctgaccagg cggaacggat agaaaagcat atcaagcggc ccagagagga 480
ctacaagcct gccgttggtc gggaggattc atttagctta gggcgagcaa aggagaagca 540
tttcacatcg ttggacttgg agcgtatggt gctgaacatc aaggagaaga aaactttgga 600
gccaatctcc ccggtggcaa ccctgaccca accggttgct gacatcacgc cccggacatc 660
tacgccgact cctaccctc cttcaaacac aacgctcaag cggccgactt tcgctctaaa 720
cgagcgacag aagcactcga ctgagtcgtg ctcaacgact gccccagacg gtaatgacag 780
cgatgctgct aacgtgaatg ttaatggctc ggacactagt gtttcatctt caggcattct 840
tccctcgaag cctcagttga tcaagtcgcc cagcattgtc cgtggtttct ctcttctca 900
gatattctca tcctaccggt cgcagcctcg actctcgagt gatccggacg cttctaaaac 960
tcaagttccg gccaaactct cgcctctaaa gaaaaagggc aacatgttta cgcttggtgg 1020
ttctccggg gatgaggacg agagttcttt tgaagatcg atgatgcagg ctctcaccg 1080
cagctcgcta tcagaccagc ttgaaaagcg gccgggcagt aacctcaatc ctaaaaataa 1140
ggcggcaaca ttcaaggagc aagtgggaaa tctcaagtca atgaaggagc gacaaagtgg 1200

caacgacgag gacgccatcg agaccgatga tgatatctcc gagagtgcta ttgaagatga 1260
 cgaagactcg gactgggagg attcaatcac tgaaagcggg cgttctagcg ttgatgagag 1320
 agatatgttc cagcgggtgg attcgcgacc gaacctgggtc tcacgccgct cacttttgac 1380
 catgatgatg caccagcccc ttagaatggg agatgcctct cggcttactc cggctttgca 1440
 gcgatcacgc ctacctcac ccaacggccc ttccattcct gcgtcgcccc ctgatgacga 1500
 cgaggagaac ctgacaatga agggaccggg tgttccccga tccaggccga tcatcatgaa 1560
 gcctactcct caatctgtgg cgcattcccc gcgtactacc cgccggaaca tgcttgctac 1620
 tgagttgacc gaatcccttc ggcgccacct cttgtgggag cggcagcaaa agagcgcgac 1680
 cgcaaacgca ttcaagcgga ggcataccac tcacgacatg aagaacctga aggagtatcc 1740
 aggacctcaa aaccagcagg tggcgatgcc gagctccaat ggggtagctg ataaagacgt 1800
 cgcaaagacg gggtccttca accactacac tgattttggg ccttggaat accacgcaaa 1860
 ggggtggtag 1870

<210> 24535
 <211> 844
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24535

cttccacccc ggatacctca cagctgagcg tctggccaag gctaataacc tcaagcttgc 60
 tgtcactgcc ggtattggct cggaccatgt cgacttgac gctgccaaca agacaaacgg 120
 tggtattact gttgctgagg tcaactgggtc caacgttggtc tccgtcgctg agcacgttgt 180
 catgaccatt ctctctctcg tacgcaattt cgttcccgcc caccgaccaga tccgtaacgg 240
 tgactggaat gtcgccgctt gtgctaataa cgagttctac cttgagaaca aggttgctcg 300
 aaccgctggt gttggccgta tcggtgagcg tgtgtccgc cgtctcaagc cctgggactg 360
 caaggagctc ctctattatg actatcagcc cctgcgccct gaggttgaaa aggagattgg 420
 cgctcgccgc gtggactctc tcgaggagat ggtctctcag tgtgatgttg ttaccattaa 480
 ttgccctttg cacgagaaga cccgtgggtc cttcaacaag gagctcattt ctaagatgaa 540
 gcctggtaaa tctgctcttt tatatttgat tattccgatg ctaatgtatc acaaagggtc 600
 atggctcgtc aacactgctc gtggcgctat tggtgttaag gaggatgttg ctgaggctct 660

caagtccggc cacctccgcg gctacggcgg tgatgtctgg ttccccccagc ccgctcccaa 720
ggagcaccca ctccgatacg ccgagcaccc ttggggcggt ggtaacgcta ctgttcccca 780
catgtatggt acatccattg acgccccaaat ccgttacgcc aacggcaccg aggccggtct 840
taca 844

<210> 24536
<211> 299
<212> DNA
<213> Aspergillus nidulans

<400> 24536

tggagatcgc cgccgacatt gtcaatcagc gcttttcgaa tccggaggaa caggcgagat 60
tactgcgcga tgtctttttg actggcgcca acactctgtt tcaaaatttt gatgaacggt 120
tccgaaacga cttccgggca tgccctccctc tcgaggcaca gttgaccgtc cgctcgtgcct 180
cggatccaat cttggacgcc tggaagggag cagcgcaatg ggccctctgga tcggggctgg 240
ccaagtcac tatttcgcgc gaggagtacc tggaaaaggg cagtgaatat ctcaaggta 299

<210> 24537
<211> 950
<212> DNA
<213> Aspergillus nidulans

<400> 24537

aatatcgggtg caagatatgc ttctttcccg ctggtacgta ccggaaaaaac ggatgcggta 60
tttaggaacc gagatttga agcgcagaag atgaccgaaa tcttccaccc ccagtccacg 120
gatagggagg tacagcatga tcgaaccagt actaacctg ccacctccca tgacctggct 180
gagccgttca aagatgtacc tacgtctgac cgaggatttg cgctcttgct ggtgcgtgag 240
cttccagata actaccggcc actgtttaac ttccctgttt tcaatgccgt acaatcgaag 300
tgcttccatg ccatttacia gagcgacgat aacgtggtga tagctgcgcc aacggggagt 360
ggtaagactg tcgtcatgga gctggcgata tgctgtctac tcaatattcg caaagataag 420
aaattcaaag ttgtttacca ggctccgacg aaatctctct gttcagaaaag attccgtgac 480
tggaatcaga agttccacgc acttgggtctt cagtgcgcag agctcactgg cgatacggac 540
catagccagc tgggaaatgt ccagaacagg cagataattg taaccactcc agagaaatgg 600

gatagcatga caaggaagtg gaaagaccat attcgactca tgcagcccgt gaagctcttc 660
cttattgacg aagtacacac acttaaagag gcccggtggcg cgacgttgga agctgttgta 720
tcgcggatga aatcgattgg gtccaatgtt cgcttcgttg cgttgagtgc aacgattccg 780
aattctgaag acattgcgac gtggttgggg aggaatgcca ctagccaaca tgtcccggca 840
cacagagaac actttggaga agagtttcgc ccggtgaagc tgcagaagtt tgtctatggc 900
tatcattttt ctggcaataa cttcgcattt gacaagctgc ttaactcaaa 950

<210> 24538
<211> 384
<212> DNA
<213> Aspergillus nidulans

<400> 24538
cgccacggtc tgacatatag ccgtactcat caggatattg gtaacagatc acgagagagt 60
tccgttttgg ctcgatcctc gtgcgcgcca aattccgtcg acgcctttgc agatcctcgt 120
cgccgagagc gcgcaaatac tttggagagc catgggcccc cagatttgga ggccattctt 180
cagcgcacgg tttcaggcgg taccagacga ccgactttca gcaacgccag tgttattcga 240
cctcaaccag gtgacctgga ttctccagag gatacgtgcg tgccgcactt cgaagaacct 300
ggaagaattc cagtgatcga ctacgaggaa ttggaggaat tcgtagcttt gaatcagaag 360
acaaagcctt ccagcaatca gcgc 384

<210> 24539
<211> 408
<212> DNA
<213> Aspergillus nidulans

<400> 24539
atgggtaaga aggatgagga tatcggcgtg gaggctccag tccaggactc ctaccatata 60
gagtcgtcca actccagcga catgggcaag aaggatggcg aggttgcgcg ggaatgggcg 120
cacgacatca agcaaggcga tgaagaggcg gccttgaaga cgaagctgca taacccttgg 180
gctgttttga cgcgcgagca gttgctgaaa gatgtcgagc agttcgctag agagaaaggt 240
ctcgagcaca tcctccccga ctttcggaaa ggcgctctgg tggcacagaa ccccaaaata 300
tttgaagata ttccagactt gagcgaggag gacaagaacc atctccgcag ggaaaaaacg 360

caccgttggc atcagccgtt tatgatgtac tttatgacca gtaagtcc 408

<210> 24540
<211> 234
<212> DNA
<213> Aspergillus nidulans

<400> 24540

gggacctata taggatctgt cgtggataat gaggaacttg caggcacctt cctcaacttg 60
tacaagtcgc cgttgtctga tttcagagcc cagggtcaaac agtgggtgga cactgagaca 120
aaaggtatcc agcaactgga cgaagcagtc attcatgatc gccgcaatcg caccattgtg 180
gtagtttccg acagggtttg ggacttgttg aaaaagataa ccaaggacta cgag 234

<210> 24541
<211> 358
<212> DNA
<213> Aspergillus nidulans

<400> 24541

gaactggccc gtcaccacc agttcaccta cccgggcgtc gaagacggga tttactcggg 60
gaatgcgaca tacggcctgg aggagatggc ccaatacctt ggcagtactg cgacgagcga 120
tctctggacc aactcgatcg tcaatcttgc cctgctgatg gtgggcgtcg tcgtgaccat 180
tttgtcgatc ggtctctatc gctggctacg gcagctctac gaatctcagc gcaacccgga 240
tcaagcagtc gacctgcaga tcgagatgca gaccctctc caccgcattg gatggagttt 300
cgcgcgctc gtgctcgact atttctcca cccgctcctc gccctgtctc tcttccag 358

<210> 24542
<211> 837
<212> DNA
<213> Aspergillus nidulans

<400> 24542

agagggattg ccccaaagga aatgggtcaa ctacctgcc atctatgttg cgctgggggtt 60
tatcgcagtc gagctatccc tcttctcat ctgccggccg ctatcaaact actgggcagt 120
gcctactccc aaccgttagt ctctccact cgtagcctta tccacgtgt taaccacgct 180
gcagcccaat gttccacttt tcaatactac gagatcatcc aaggatgcgt ggctatcact 240

gctgatatcg ccatgcttct aatcggactc ccactcctaa tgcaagttcg tgtcccgcgc 300
 aagcagaaat tgatcctcgt catcatcttc ggaatgggag tctttgtcat tgttgccgcc 360
 atcttgacta aagtctactg cctcgtcccg gagttgattt cgtacgtcta catgaactgg 420
 tatttccgag aaactactgt cgccattctc gtcaccaacc tacctctcat ctggtccttt 480
 ctgcgcgacg tcttccccgc gctcaagagc tggacagggg gctcgaaacg cggtagcaac 540
 cgctaccgat ctggcccttg gaacagcaac ctttcgggtc ttaagcactt cgggaccggc 600
 actggcacta cccacctacg ctcgggcaac gagttcccaa tgcacaaata cgatcgaagc 660
 gttgtggtta caccgcagaa agatatgtcc gaggtcagcc tggaacatac ctactctcgc 720
 ggccagagcg atgacgggtc agaacgagct ctgcaaatcc gacaagacgt gacgattgag 780
 gtcatgcgcg agtcacgacc accagcaaac tatcacctcc acgaccgcga accttaa 837

<210> 24543
 <211> 2996
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24543
 agtcaatccg gcaaagttcg acaaggcaga tgatatggct gagcttacac atttgaacga 60
 agcgtccgtg gtgcataacc tccacactcg atatctggca gatttgattt atgtaaggct 120
 ttatctttct tccgcttggt gccaaagcct gattgacaat acgttactag acctactcag 180
 ggctgttttt ggtgacagtc aacccttact gtcccctgcc tatctattcc aatgagtaca 240
 ttaatatgta caagggacaa agtcgcgagg agactcggcc gcatattttc gccatggccg 300
 atgaagcatt taggaatctt gtggaagagg gcgagaatca gagtatcctt gtgacgtgag 360
 tctttgcgac gcatccgtgt aaatgcaaat tctgacgcc gcacagagga gagtctgggg 420
 caggcaagac agataacacc aaaaaagtta tccagtacct tgcagccgtt gcaacatcag 480
 ataatatgta ctctcgtca ggaagcaagc agatgaacac cttttcgcag cagattttga 540
 gggcgaaccc gatcctcgag gcatttggtg attcgcagac tgtcagaaac aacaactcat 600
 ctcggttcgg caagttcatc agaattgagt tttctcgatc agggcagatt tcaggtgctt 660
 cgatcgattg gtatcttttg gagaaatccc gcgtggtgaa acccaatttg caggagagaa 720
 actaccacat tttttaccaa ctactcaggg gtgccgagcc taaactaaag caaaagctgc 780

ttctgtcgaa cttacagatc gaggacttcg cttacaccag agaagggaac gatacaattg 840
 ctggagtttc tgacgaaaaa gaatgggact cgttgctcga ggctttccat atcatgaatt 900
 tctcgggaaga ggatcaaata tgcatacctc gcacagttgc agctgtcctc catctaggaa 960
 acattaccat cgtgaaagaa agtctacggg ctgatcaagc cgcccttagt cgagacgccc 1020
 ttgatagtgt tcataaagca tgccagcttt tgggaattga gactgagccc tttgtcaagg 1080
 gcttattaca tccaaggta aaggcaggcc gcgagtgggt agagaaggta cagactccgg 1140
 agcaggttcg gctggcatta gatgctttag caaagggtat ctacgaaaga ggttttgggtg 1200
 acctgtcaa ccgcatcaac agccgactgg aacgaaacac tgtcacgggt gaagacagct 1260
 acttcatcgg tgtacttgat atcgctgggt ttgagatctt ccaaaacaac agctttgaac 1320
 aactctgcat caactacaca aacgaaaagc tgcagcagtt cttcaaccac catatgtttg 1380
 tcttgagca ggaggaatac gcgcgggaac aaattgaatg gcagttcatc gactttggca 1440
 aagatttgca gccacaatt gacctcatcg aagtcacaaa ccctatcgggt attttttctt 1500
 gcctggatga ggactgcgtc atgccaaaag ccacggataa atcgttcacc gagaagcttc 1560
 attcgctatg ggacaccaag tccaccaagt atcgcgctc tcgcctccga caaggcttta 1620
 tctcaccca ctatgcagcc gaggtggagt attccactga cggttgggtg gaaaagaata 1680
 aagaccctt gaacgataac ataaccagac tgctcgcac ctcgcaagat aatcatattg 1740
 cagctctgtt ttcagactgt ggaaacgcag atgaggttga ccatcccaga agtcgcgtga 1800
 agaaaggctt gtttcgcaca gtggcccaaa gacataagga acagttgtca agtctcatga 1860
 atcagcttca ctcaactcac cctcattttg ttcggtgcat tatcccgaac cacaaaaaac 1920
 gccggaagat gttgaatgcc cccttgggtc ttgaccaatt acgctgcaat ggtgtcctgg 1980
 aaggatttag aattgcgcgt accgggttcc ccaaccgatt gtcctttaat gaattccgcc 2040
 aacggtatga ggttctttgc cgggatatgc ccaaagcta tatggatgga cagtctgccg 2100
 cccggataat gctgcagaag ctggctctag ataaagcgtg gtttagagtc ggccgcacca 2160
 aagtgtttt ccgagctggc gtcctcgcag agttggagga aaaacgtgac gagctcatcc 2220
 gtacaatcat gacacgattc cagtctgtag cgaggggttt tgttcagcgc aggatctcaa 2280
 acaaaaggct gtatcgtgca gaagcaacc atatcatcca gcacaactc cgagcctatt 2340
 tggagatgaa ggccaaccg tgggtggcgtt tgttctcgag aatgaaaccg cttcttgggg 2400

agacacgtac tgctcaagaa gtgaagagaa gagatgaaaa gatcaaaca ctcgagacga 2460
 aaatgaagca ggaccaatcc gaacgccaga aagttgagga agaaagacgg cgagcggaga 2520
 tagagataca acgaatccag cagaccctgg agagcgaacg ggcatcggcc cttgacaaag 2580
 aagaaatctt caaaaggctg caagatcgcg aggtagagct cagcgagaaa ctagcaggcg 2640
 ctattgccga ccaagaaaac ctggaagatc aactagacga actaatcctt gcgaaaaaga 2700
 agacggacga agagctcgac ctgcgaaaaa cacaactcga gcaggccgga gagattatcc 2760
 agcgcctaga ggctgagagg aaggagatgc agcagaagtt ggaggatctg gagcagaagc 2820
 tgcttgaggc acagagcagt gcctcagaga cggaaaacca tatgaggagg cttggacaag 2880
 aggtcaaaat gctgcaaagt catctcagtc tgaaggagcg gaaactgcag gatttgaggg 2940
 caaaactgct gaagaccgac caagatctgg atgtcaagct ggcaaaaaca tcaaag 2996

<210> 24544
 <211> 455
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24544

gatgactcca gctccacccg cgagaccggt gctgctcgcc tcaaggccgt tgcagaggag 60
 gccggttcca cctctggcgg ttccaccacc tactactgca ccgacaccct gggttactgt 120
 gagcagaatg tccttgccca caccctgcct tcacaggacc ttattgcca ctgtgatatc 180
 tactactccg aactccctgc tcttgagac acctgctatg accaggatca ggcaactacc 240
 actcttcacg agttcactca cgctccgggc gtctactccc ccggtactga tgatctgggc 300
 tatgggtatg atgctgcgac agccttgat actgacgatg cgcttaacaa tgctgactcg 360
 tatgcgctct atgctaacgg tatgttgat ctctattat agccctttag tctcatgatg 420
 ctaatattct catagctgtt taccttgat gctag 455

<210> 24545
 <211> 628
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24545

aaaatgggac aatgagacac agacagctct agacgaggag gaagttttag gtagtacac 60

caaaccttca tcaataatcg acgaacctga cgccgtacag atatcgcgta cgccccgtct 120
 ggtatcgaga ctcgagatgt caagggcgca tcattcaggt tcgccaagct tctgagttca 180
 ccattcatcg gctcagggcat cgttgaacta cccccggcg gagtcaagaa gccaaagaac 240
 gcgaagaaaa tgcataatgat attctacgtt gtcaacgggc gagttctagt ggacatctca 300
 ggcgtccaat ttagtgctgg caagggatgc gtctttcagg ttccccgtgg tcagtattag 360
 acaatcgcaa cccataccac tcattttgca cgccttacc ataataggta actactatag 420
 cttcgcaaac acatacaaca aagatgctcg attgttcttc acccagggct gtgtccctag 480
 cacggcggag ggagatgatg ctcttggttc tgcgtctaaa accgatgcgc ttgacggcga 540
 atcaaacacc cctccagcac gttccaggcc acagaaggct acagccggt aaggcaggcc 600
 taaggggaag cagaagcccg ctgcttga 628

<210> 24546
 <211> 609
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24546
 atcactctcc ctctcacta cgatgagggc accttcgtta tcagttcttt cttttctgct 60
 cggcaccgcg ctggccgccc ccagcaattt tgaagccggc cttctgtcca gcggcaaagg 120
 tatcctctct gcaactaggga ccagttcttt gccagtggct gactcttgac agtgtctctc 180
 ggtgactgga aatccgcaca cgagaaagcc tcgcaatttg ttgccaagct caacaccacc 240
 gagaagatca agctcatcac cggcagcagt gtgaccacta ccaatggcga gacatttacg 300
 gctctcgaca ttctcgacgg tgacatgggc gcgcaagcct actattatgt ctcggcgttt 360
 agtctgtcct ccgccttggc catgacttgg gacaaggagg ccatgtacga gcagggcagg 420
 gccattgcgg ctgagttcta cggcaaggga atccagatgg ttgccggtcc gacctcgag 480
 cctcttggcc gtactccatg gggcgggcca ctggtggaaa gctttggacc tgatccgtat 540
 ctgaatggta ttgcaaccgg gttggaaact agggcctatg cggacgtggg agttatcgcc 600
 ggggctaag 609

<210> 24547
 <211> 1311
 <212> DNA

<213> Aspergillus nidulans

<400> 24547

taccttcctt cgacctccaa ggtggacgca gagattgttg cagagctcaa gaaggacgaa 60
gataacctata aaatggttga atcacgagtc ccatcttccc ggctaggccg actctggcag 120
tatggtggcc tagcaacttc tatggctttc ggagccgttg gtgagagctt tcgcagggta 180
acagggagcg ctgaagcggc tgctggatca cttatgttta gtgccgggaa tatggagcgt 240
cttgtagcta agctatctaa aatgcgtggc gctgctctaa agctaggcca aatgatcagc 300
tttcaaggta tgTTTTgatt ctttgcctct tgaattactg cttatgagtt tgtagactca 360
aaaatgctcc ccgactctat tcaacaagtt ctcaaagag tgcaggatcg cgcagattac 420
atgcccgcgt atcaacgaga taaagtcttg acagacaacc tggggcccaa ctggcgtgac 480
ctcttttctg cttttgatga ggtccctatg gcagccgcct ccattggtca agtccacggc 540
gctaccctca aaagtacagg gcaggcagtg gccgtaaaga tccaatatcc tggagtcgca 600
gactctattg actcagacct caacaatctc tccatcctcc taacagcgtc gcgcacctc 660
ccccgcgggc tttatctcga caaaacaatc gccaatgcc gcacagaact tgcctgggaa 720
tgcgactaca cccgcgaagc cgaatgcggg aaccgcttcc gtgagctcct caaagatgac 780
ccggttttct acgtcccga aatcatcccc gaggcttccg gcagaaacgt ccttacaatg 840
gagcgctca acggcatcgc tgtcacaaag atccaaacct tcaccaggc ccagcgtgac 900
tggatcgga cccagatcct gcgcctgtgt ctccgcgaaa tcacagagtt taaatacatg 960
cagacagacc ctaactggac aaacttctc tacaacgcct ccaccaaccg ccttgaactt 1020
ctcgatttct gtgcctcacg agcctacca gactccttca ttgacaagta cgtccaagta 1080
ctctgtgcgg cgtcccgtgc agacaggag acatgccacg ctctctccat cgacctaggt 1140
tacctaacag gccgcgagtc cagcgctatg atcgacgcc atgtctctc catcctcacc 1200
ctcgctgagc cgttcatgga ttctcacct gacgtctatg acttccgcga ccagacgatt 1260
acacagcggg tgcgtgattt gatccccgta tatgataggc gaacggcttg c 1311

<210> 24548

<211> 918

<212> DNA

<213> Aspergillus nidulans

<400> 24548

tcttcgagct catctagcac gagcgagttc accggctggg gcggtctctc tatgggctcc 60
tcgatgaaca gtaacctgtt gctcgtcgcc tacgcgcagg acgacaccgt cttgacctcc 120
ttccgcttct cctccgggta cgctatgccc tcagtctaca gcggcaacgc gaccctcact 180
cagatctcgt cgaccgtcac tgccgacaag ttcgagggtc tcttcggttg cgaagagtgt 240
ctccgctggg accacgaggg cgtctccggg agcgccacga caagtgtctg gcagctgac 300
ctcgctggg cgcaggccga ggagtctccc acgaacgcgg actgcccga tgacctgagt 360
ctgggtccagc acgaggcgca ggggatctgg gtaggaaagc tgagcggcga cgctgcaacc 420
tccaactacg agacatcggg tgcgctcgcg accaacgtcg tcgacgggac ttgcggtact 480
gatggtggcg gcggtggtga taatgggaac gggacgaccc caggcgtgcc tgtccctaca 540
aacgtcacgt acgactacat catcgtgggc tctggctctg ctggaatggt ccttgccgac 600
cgactcagcg aagcgggtgc aaagaccctg cttatcgaaa agggcccacc ctctatcgga 660
ctctggaacg gcaccatgaa gccagactgg cttaacggca ctgatctgac ccgtttcgac 720
gtgcccggtc tgtgcaacga gatctggaag aacagcgatg gcattgcctg ccccgataat 780
gaccagatgg ccggtgcct cgttggcggc ggcacggcag ttaactcagg tctctggtgg 840
aagccttaca gcaaggactt tgacgaatcg ttcccggaga cttggaagta cgacgacgtc 900
agagatgctg tgacgagg 918

<210> 24549

<211> 1305

<212> DNA

<213> Aspergillus nidulans

<400> 24549

atgtcgtatg gaacaatcgc atcgggtggag gatcctccca gcgcggatct cgctcaggag 60
cacgaacagg acgatgaaca cgcccaagag gatgaaccgc tgctccccgc cgtagactgg 120
aaacctccca aagggttcct ttggatagaa gtcggtatgt tctctccttc cgctgatgtc 180
tctgtgggat tcaccttaac atcactagca attttcgcca atgttttctt ctccggcttc 240
gacggcacia tcacagcctc gacctacgag ctcatcagct ccgagttcaa ggccgcaaac 300
acctctcct ggcttacaac ctcatacctg atcaccagca cggcattcca gcctctgtac 360

ggcaggttct ctgacatctt tggccggcga gcttgctttt tcacgtccac catcagcttc 420
ctcctcgggtt gcctgggctg cgccgttgcg caagatgtcg tctttctgaa tctcatgagg 480
gccctgacgg gcgtcgggtg aggggggtctc atgacgatgg ctacaatcat aaactccgac 540
atgatccctt ttcacgcgcg cggtatgtac caagccgcgc agaacgtcct gcacgggttc 600
gggtctatct gcggggcgctc gctcggcggg tctattgcaa atacgatcgg ttggcgggtg 660
tgctttcttt tacagggtgcc cgtgtccgtt tttgcgcttg cgatcggacg gatcgttatc 720
cctatgccgc agaaacctcc tacgggcgtt ggctggagtg tttggaagca agttgacctt 780
acgggtgcgc tcctcctcat tctcgggtctg tccgtgcagc tggtcgggtt gagtctgggt 840
ggcaatgagc tcccttgag taacggatgg gttgtttcta gtctgctcgg cagcctggtc 900
ctgttgggcg gggtcatagt cgtcaggcca aagacaagtg ctatccctgt catcccgctg 960
cggatgttga aaggtctctt gccggtttcc acgcaaactc ccaatgtttg cgttgggatg 1020
gcagcttacg ctgtaagtct ctcttgctc cctatctctt cgctcagccc ctccctgcaa 1080
gtatcaagac gcaactattg acgtcagcag ttcctcttca acctccctct cttcttccaa 1140
atcgtgctgc tagacagcgc atccaaagcg ggtgcccgct ttgtgatcc gtccctcgcg 1200
acgcccgtcg gcggactcct gtctggaatc gtcatgtccc actacggcaa actgagctac 1260
ctaattgcgtg caggtgctat gtcattgttt ctggggaact gcttg 1305

<210> 24550
<211> 516
<212> DNA
<213> Aspergillus nidulans

<400> 24550

gttcgcgcgg ctgttcccgg cccctctct gctgcttcta agcagggtccg tacctatgct 60
gctgaggcca aggcctcgc caccgagggt tcttccatcc ttgagcagag aattcgtggt 120
gtccaggagg agtctggcct tgccgagaca ggacgtgtcc tttccgtcgg gtatgtcgc 180
ttcatgggtg gaaaaatttg gtgtcggctt caaaagcgt taagctgtgg acaaagaaca 240
ccaaaagcta cctcgaaact gcttagacta tcctagtgt gtgactgact caattctatc 300
gattagtac ggtattgctc gtgtccatgg catgaccaac gtccaggctg aggagctggt 360
cgagtatgga tcccgatatt gcttcttcat tttgaacgt gcgactaata ttgaaatagg 420

ttcgccctctg gtgttaaggg tatgtgcatg aaccttgagg ctggccaggt tgggtgttg 480
 ttgttcgggt cgcaccgtct cgtcaaggag ggcgag 516

<210> 24551
 <211> 615
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24551

gacgagaatt tatcagatgc acaagctagt tactacaacc tctccatca tagattcctt 60
 ctcttacggg cgattctgaa atgcacgcca ccgcccgaag ccatactctgc gctcgacgac 120
 tcgcacccta tcagttttcc ccgatcatcc aaaattgcac agagagagtg gagacgcctg 180
 ataaaagagg ttgatcctca aacagtgcag cttgctgca tggatatgga cagtgtcctg 240
 agagtgttgg tgatcgtggc ggggtcata tcggataacg tgcgtaatgg agatgcagtc 300
 ctaattcgac gtatcgtgac ctgggcttgg gggctcctag cgaagtgccg agatgccggg 360
 cagctagggg ctcgaaatat tggggatatt cgtgagttgg gaaagcgtgc ggtaaggatt 420
 ttaaagaaga taagggaaga ggcgaagaa atgcaggacg aggaagacga tgcaaatgat 480
 tacgaatctg atgcagagaa taagattgag gaaggccgt caggcgacaa agggagtga 540
 gctgtcgata tcagtgcctt tcccgaactc gagcacttcg atgcggagaa gaaatccgat 600
 gcggagaagc tgtaa 615

<210> 24552
 <211> 1339
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24552

ctcgggtggc cgtggagcta caaggtata gtcaacatca cttcaaaggc ctacagtccc 60
 acaaggaag tgggtgctca tgcaaaagaa attgaagtgc accatgcgaa gggtctagga 120
 ttagacggta agtggatatt ttatctcgct aagtcagat atttacgcgt atggatttaa 180
 ttaatggaga tgctacttca ggcgtagagt tgacaaaac gtctgagatc acctacgatc 240
 agaaatcgga aagggtgaca attaggttcc ccaaggaact ccctcagtc gaactcgtcg 300
 tctccatatc gttcaccggc accatgaata atgccatggc tgggttttac cgctccaaat 360

ataagcctgc tgtcgagccg acgtctgaca cccccaagga aggagaattt tattatatgc 420
 tgagcactca gtttgagtcc tgtgatgcac gcagagcatt tccttgtttt gatgagccaa 480
 acctcaaggc gacatttgac ttcgaaattg aagtgcctaa gggtcagacg gctatcagca 540
 acatgccagt caagtccgaa agggagggca gcaagcctga gctcaaagtg gtttctttcg 600
 atacgacccc agtgatgagc acttatgttc gtattcacc cccacaaaaa ttgacctcac 660
 actgaacaca ttttcctctt ctagcttttg gcgtgggcaa ttgggtgactt tgactacgtc 720
 gaggcattga ccgaacgtaa ataccaggga aagagtattc ctgttcgtgt ctatacgacg 780
 aagggactta aagaacaagc ccgctttgct cttgaatgtg cacatcggac cgtcgactac 840
 ttctcggaga ttttcgagat cgaatatcct ctgcctaagg cagatcttct agcggtagat 900
 gaatttgtaa gttgtctctc gacactgccg gaccttcata atgacctttc gtgaaaaata 960
 taggcaatgg gagctatgga aaactggggt cttgtgacgt atcgacacgac tgccgttctg 1020
 ttcgacgaag gcaaatcaga tactcggttat aagaatcgaa ttgcttatgt tgcgctcat 1080
 ggtgagtcaa gcattacctt aagccgctct ccaccctagc taactaggct attatagaac 1140
 ttgcacacca gtgggttggc aatctcgtaa caatggattg gtgggatgag ctctgggtca 1200
 atgagggctt tgctacatgg gtcggatggc ttgctgtcga tcacttctat ccaggttaagg 1260
 aatccatggc cccctctagc gatcacagct gaaagtatct aataccatgg tagaatggaa 1320
 tatctggtcg cagttcgtg 1339

<210> 24553
 <211> 1263
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24553

acacgacctc cgtctcacta catatcactc cgcgaccagg tatcgaagtc aagccatcct 60
 gggcggggga atccgcgcaa tgagacggtc ttcattgcag ctagcctgct cgaccgggat 120
 gggagccttg cacgggggtca ctgggcgtcc agcgtccttg aatcatcga cctccttggga 180
 ggtgacaatg ttttcctgag catctacgaa aatgacagcg gagaggaagg ggaatcggct 240
 ctgaaggagc tagacgcgcg agtcgaatgc aataagtcta tagtgtatga gcacttggat 300
 ctcgatgagc ttttaaaagt tactattccg ggcggagaaa agcgcgtcaa gcggattacc 360

tacttggccg agactcgcaa ccgcgctctt cgaccactcg accagtctac cactcggttt 420
gacaaacttc tatacttgaa tgacatagct tttgatccag tgcacgcgct gcagctcttg 480
ttttctacca acgttgatga caatggggta gcgcagtacc gtgcggcttg cgctgtggat 540
tttattaatc ctttcaaatt ctacgataca tatgccacgc gtgacttgga aggctatagc 600
atgggcctgc ctttctttcc atggttctca acctctggca acggccgaag tcggagagac 660
gtccttgctg ggaaagacgc ggtacctgtc cgcagctgtt ggggaggaat ggcagcgttc 720
gatgctcagt tctttcaaaa cagcacccgg cgcattttcg atatagcagg ggaggttacc 780
cccgtcgcct tccgcgcctt acgagatgaa gatcttttct gggatgggtc cgaatgctgt 840
ctgatccacg ctgatattca gaaaccactg cataccagta gtgaagatga cgaacctcag 900
gccgagactg gtatatacat gaatcctttt gtacgcgttt catacgatgc gaccactctg 960
tcgtggctat ggactacgcg tcacttcgag aagctctaca ctcccattca caccatcggc 1020
aaccacctcg tcggcttgcc ttggttcaat gcccgactgg acgagattcc cggggaaatt 1080
gtgcaggaca ctatcgttgt atttgacgaa aatggagaag gttctctcca gactatcgaa 1140
cgagtcgcta gacacgatgc tttttgtgga eggcttgga ttcaggtggc cgttccacgg 1200
ggcgagggca aaaagggatg gcagacgata ccacttccga ccgaagacat gtacccaagc 1260
taa 1263

<210> 24554
<211> 865
<212> DNA
<213> Aspergillus nidulans

<400> 24554

catttggacc tattggtatc aatgccggtg ttgctgctgt tttcttttgt atggcatgct 60
gcatgggtcc catcctgagc atgtgctgca agaagtccgg tgctgtgttg gcggctattg 120
cccacgcgat tgctgtgac atcttgcttg tcacttttga agtcatgttc ttctcgaac 180
actggtcttg gccccggtgc gtcatgggca tgatcgccat ggctgccatt caacgtttcg 240
tctacaaact tattatcgcg ctgctctta cccgagagtt caagcatgac cagtccaaca 300
tcgcatgggtg gactggaaaa tgggtacaaca tgggttgga ctctctctct caaccgggcc 360
gagagttcct ctgcaagatc acggagttgg gctatttctc agcagacttc gtcattgggtc 420

atctectatt gttcattatg ctgcccgcgc tttgtgttcc ttacattgac aagtttccact 480
cagtcattct cttttggctc cgcccaaggt aagaccctc atttactcgg ttgtggattc 540
ctaactctta acactcaaata ctagtcggca aattcgccct ccaatctact cgcttaagca 600
gtccaagctt cgtaagcgac gtgtgggtccg tttcgctatt ctgtatttcg ccatgcttat 660
cctgttccctc gttctcctta ttgcaccctc cattgccaga aatcaggatc tgaacctgaa 720
aatgagtggc atccttcttg agctcatgca gcctctcgac agcaacaaca acgacactat 780
gaccagctat accggctcgg gtgtcccca gggcatggag cctattgcgt gcccgtcac 840
gtaccttacg aacttaaaca actaa 865

<210> 24555
<211> 537
<212> DNA
<213> Aspergillus nidulans

<400> 24555
atgctttgtt tggcaggctc ctcataccac gtcttctaca aatggctggc cctgcggaag 60
atcgacaatg ccttctcgcc gggcttctcg tcgctcgagc ttgcggcgct cgcgagcac 120
gggtacaccc tcggggaagg gattgacagt gatgacgaga ccaagttccg ggtaacaagg 180
ccggagcagg ctctgatcga taatattgtc agtggaaagg tgaagggaca ttactactta 240
ctcttcggcg agaaggggac gggtaagaca agcatgcttc tggagagcat gcaaaaggctc 300
cacggggatg gagtgggaat gctggaagca catggcgata tcgaagtatt caggctgagg 360
ttgggcaagg cgattgacta cgagtaccat gaggactata tcggtgggat gtttagtatc 420
cgagggccgc gtgattcgac gccattgctg gatatcgaac gtgcgttgaa caagctggag 480
aaggtggcgc tgcgtcggaa agagagcgac cggccgctga tctttgatga tcaataa 537

<210> 24556
<211> 444
<212> DNA
<213> Aspergillus nidulans

<400> 24556
atctttcagg gtgtctctcc catgttcgtt ggcgactttg cagataaagc tggccgctcg 60
cctgcataca tgggtctgctt cctgatctat atcgctgcca acatcgggct ggcgctgcag 120

gacaatttcg ccgcattggt cgtcctgcga tgctgcaaa gtgcagggag cagcacaaca 180
attgccctct ctgctggcgt tgtctcagat atcgccatcg ccgctgagcg cgggtcctat 240
atgggcttcg taacggcagg ttctctctc ggaccagcga tgggcccggg catcggcggg 300
cttctatcgc agtatctcgg ctggcgctcg gttttctggg tcctcaccat ttttgccggg 360
gctttcttgg ttcttttggg tctgctatct ccagaaactg ctcgcgcaat cgtggggaat 420
ggatctatcc cgccgccccaa gtga 444

<210> 24557
<211> 543
<212> DNA
<213> Aspergillus nidulans

<400> 24557
atgagcgata tcacagacaa accgtctgac gagacgatta acctgaaccg catgaaaacc 60
gcggagagtg tcttctctcc gatttccgcg gaaaccttcg agaagcttta cctgaccccc 120
aaacaccctt ccgtgcagac ggacctgagg aagaagttcg gtaaccgcac cccgatctgt 180
ctcatggggg tcctgatecg atctacacc catgcttgta tgctgatggg gtggcgcgga 240
gccggcggga atggtagcgc gcttgctccg acgtatatct tcttcggcgg aattgtccaa 300
attctgggtg gtattggcga atggattatt ggaaatacgt tcagttgcgc gatcttcttt 360
acatatggtg cggcatcgca gttgatctaa ctaccactcg tacctgggta acgttgattc 420
tagggacgtt ctggcttggt caggggtggc ggctcatgcc attcttcgct tcggggatga 480
actactcgcc taccggtaat tcttttgagg gacagcagac aggggaatac gcggcaacaa 540
ttg 543

<210> 24558
<211> 755
<212> DNA
<213> Aspergillus nidulans

<400> 24558
gcgcaagcac cccttcgatt ttcgctactg gttccagcgc caccaagcct ggcagcgaca 60
atacttgga accaaatacg cccatcaagt tttcatctga ttctgcacca ggtctaacct 120
tatcagccaa atccgaaacc gcaacggcag caccagcttc tgaatcctct aaccatcatc 180

caacgctctt tggggctccg tccgcaggtg ctcaacctgg cccaagcggg aacgagggaa 240
 ctgctggctt ctcatcgggt ggtecttccc aaccaggatc ttcttttttg acaccatctg 300
 tgctcacttc cgagtcccag agccgtgcca caacaccggg tgtgacttcc gatactggag 360
 ccgaagattc cgccgatgga gacgctcaaa agccagaacc tcaggttgac cttgctagaa 420
 gtggtgccgg cgaagaagac gaagacatcg taatagaaac acgagcacgt gctttgaaga 480
 tggtagacgg atcctgggct agtcaaggtg tgggtttctt gcgcatctta aaaaatcgaa 540
 ccacgtcccg cagtcgcgtc ctcgttcgag ccgaccctag cggaaatgtg gtcctgaacg 600
 ccagattgat gaaggagatt aagtacaccg tgaacggaaa caacatacaa ttccttgttc 660
 ccaaggccga aggcgcacca gagatgtggg ctcttcgtct caaagctggc gaagccctga 720
 aagttgggac tgccatggac gagaacaagt cgtaa 755

<210> 24559
 <211> 796
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24559
 gcgccgctgc ggccagcaac agcagcaagc gccagtccaa ggtgcctcct ccgcgcaggc 60
 cctcttcaga cagcggggagc agcgtgaga gtgaagacgt ccccgctgtc tttgagaaat 120
 acgcgcaggt gttcatgcc tcctctcgcc caatccccca ccagggcgga gaggcagcat 180
 atctcgagaa ggagcacctt tcaggcttgt tcaatgatct gaaatctctc ggtttcaagg 240
 actttgcctc attgaaggac gtgatcaaga ccaagatcaa tggcgagctc acggatgaca 300
 agaccatgat catggagcgc atcattcagg tgagcagata cacaccttgg acgatggttc 360
 ctggggggatt gcgttcggac gtctgaccgg atttgcagat cgttagcagc cttccctcaa 420
 actcgaagat gcgcgtggac ctcacgaaca tgttcctcga cgagctctgg ggttctttgc 480
 ctaccccccc gctctcgtaa gttcgcttcc acgcacacga attcgaccat gatcaataac 540
 ttggttcaga tatatgggca acgactacca gtaccgctct gctgatgggt ctaacaacaa 600
 cccactctt ccatggcttg gtgccgctaa cacagcttac gcacgctcca ttgagccctt 660
 gaccgtgcaa cccggcggtc ttccggacgc tggtttggtc tttgatactt tgtttgcgcg 720
 ccagaagttt acgcctcctc ccaataaggt gtctagtctt ttcttcgact gggcgtctct 780

<210> 24560
 <211> 1534
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24560

attcgcatct tcgaccgtgg ggattggtac tcagcccacg gcaaagaagc cgaattcatc 60
 gctcgcacag tctacaaaac aacctctgtc cttecgtaatc tcggccgcag cgaaacgggc 120
 ggcttgccgt ccgtcacaaat gagcattact gtcttccgta attttttacg tgaggctcta 180
 ttccggctaa ataagaggat tgagatctgg ggctccgccg gcacgggcaa agggcactgg 240
 aagaaggtta agcaggcgag tcccggaaat ctgcaggatg tggaggagga attaggggca 300
 atgggtatgg agggaagtaa cggagcgccc attatcatgg cagtgaagct tagtgcaaag 360
 gccggggagg cgcgaaatgt aggtgtttgt tttgcagatg caagtgtgcg cgagcttggc 420
 gtgagtgagt tcctggacaa tgatgtttac tcaaactttg aggcgcttgt tatccagctc 480
 ggtgtgaaag agtgtctcgt tgtgcaggat gtcaatcgga aggatgtgga ggtggccaag 540
 atccgagcaa tatgtgataa ctgcgggata gcgatatcgg agcgcccggc atctgatttt 600
 ggggttaagg atattgaaca ggaccttaca aggttgctga gggatgagcg gtcggctggg 660
 aactgcccgg agacggagct gaagcttgcg atgggcggtg cggcgggcgt aattcggtat 720
 ttgggcgtga tgtcggatgc gacaaatttc gggcagtatc aactctacca gcatgatttg 780
 gcgcagtaca tgaagctcga tgcggcggca ttgagagctt tgaatcttat gcctgggccg 840
 agggatggat caaaatcgat gagtttattt gggctgttga atcattgtaa aacgcctgtt 900
 gggagccggt tgctggcaca gtggctgaaa cagccgttaa tggatctggc ggagattgaa 960
 aagcggcaaa ggcttggtga ggcgtttgtc gtgagcacgg agcttcggca gatgatgcag 1020
 gaggagcatc tacgatctat tccggatctg tatcggcttg cgaaacgatt ccagcgaaaa 1080
 caggcgaatc tggagaatgt agtgcgtgtg tatcaggttg ctattcggct gcctgggttt 1140
 gtgaactctc tggagaatgt tatggatgag gagtaccaga cgccgcttga gacagagtac 1200
 acggccaagc tacgcaacca ttcggcgagc ctggcgaaac tggaggagat ggtcgagacg 1260
 acggttgatc tggatgcctt cgagaatcac gagttcatca tcaagcccga attcgatgat 1320

agtctgcgca tcattcgcaa aaagctggat cagttgcgcc atgatatgta ccttgagcat 1380
aaggctgtcg cgagagacct agatcaggaa atggacaaga agctgttcct ggagaaccac 1440
cgcgtgtacg gatgggtgttt ccgtctgacg cggaatgagg cgggttgcat tcgcaacaag 1500
aaggcctacc aggagtgtct aacgcagaag aacg 1534

<210> 24561
<211> 471
<212> DNA
<213> Aspergillus nidulans

<400> 24561

atgcagcaga gcaacaaaga cagcgggtcgt aatgtcgtec ccatttgtcg tctacttgaa 60
gaccctgagg atcctgcctt cctcctcag actgtcgaca atcttgaagg gcgccggcga 120
aagttcgatc tcctcctctc acaccttgtc atgcaccacg tccccgacct caagtcattc 180
ttgagtacat tgcgaggggtg tttgacgcct ggcgggaggg tcgctcttac ggatttcgag 240
gattttggcc ctgaagcgat caaattccat ccgccgacga agctggaggg cgttgagagg 300
catgggatcc ctgcgcgggtg gatggagaac ctgatgaaag aggtcgggtt tcaggacgtc 360
aaggtttccg tgggatggac gttgacaaaag aaggctgagg cctgggaagg gcacaacccg 420
ggggatacgc tacaattccc tttcctacta tgtgaggggt cgagcccgtg g 471

<210> 24562
<211> 739
<212> DNA
<213> Aspergillus nidulans

<400> 24562

atgggtccct cgctcttcgg ctacaaccag ggtatgatgt ctggtatcat cgttggaact 60
gagttcgctg gtgaattcga ggcgctcaag atgcctacgg attataccga cgccgagtac 120
cgacacatca acgtcctgcg tgggtgcagtc actgcttgct acgaaatcgg ttgtttcttt 180
ggcgcgctcg tttctatgtt ttatggtgag agagtcggtc gtactcgcgt catcatcagc 240
ggcgcgacca tctcattat aggtgccgtc atctcgtgcg ccggcttcgg cccgcactgg 300
ggctctggggc agttcgttgt cggccgtgtc gtctccggaa tcggtaacgg tctcaacacc 360
gcgaccatcc ctgtctggca gtccggagtg ttccgcctcg cacaaccgtg gtcttctcgt 420

ctgcttcgag ggtgccatga tcgccgtcgg taccctgate gcttactggg tcgtcttcgg 480
tctgtcctac gtcgaccagt cgggtgcagtg gcggttcccc gtcgctctcc aggtcctggt 540
cgcgctcatc gtcgtcaccg gtgccatect cctccctgac tccccctggt ggttcacat 600
gcgcggctac gactctgagg ccatcgaggt cctcgcgaag ctcaagaacg actcgccccga 660
ctcgggaagcc gtgcttgccg actacaactt catgaaggcg gatgtcgaga tgaccaagac 720
cagccaggcc ggtttataa 739

<210> 24563
<211> 444
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 24563

ctcgacgacc cggataatth tgagacctgg gagcggctcg ttcgcgctgc cgaggccctc 60
gaaggaggcg tcaaccgcaa ctccaacccg caagcgataa ccacagtgcg caacgtctac 120
gaccggttcc tggccaagtt cccgctgctg ttcggatact ggaagaaata tgccgatctg 180
gaattctcca tcaccggaac cgaagctgcg gatatggtaa gtgctcattt ttacctaggt 240
acctctgggt tatgggttcac gctgggttgc gatttgaaca caggtctacg aacgaggcgt 300
tgctagtatc tcgtcttccg tcgacttatg gaccaattac tgcaccttca aggccgagac 360
ttcccacgac acagacatta tccgagagta agtagactng agctagtttc ctttccttcc 420
ctgtgaccac taccgatgca gcac 444

<210> 24564
<211> 534
<212> DNA
<213> Aspergillus nidulans
<400> 24564

cttggatatt cctccgttta tgtcctatgc ggcattctat gccctgttca actacaccct 60
tgatgatccg tccaagggtc tagtctattc caaccttcgt ctagtccgcg cattcgaacg 120
tggccttgac cctcgcagct cagaggctgg cttcatactt actcacatcg acatggtgaa 180
agacacacct ggtctcatca gtggtgctct tcatattatc gacacccttg aacaaggagg 240
ctctcggctc gatgttaatg atgggttccg ggagatctta tcctcgatgg aaaagattga 300

ggctggcatg gaaggtatgt ggtagctttc ctcttcgtta tggatgaata tggggctcac 360
 agatggcggtt cagacatgtg ggccaattcc aagccctcgg attacctttc ttttcgcgtc 420
 tttattttcg gcataacctc gcagtccatg ttccctaacg gcgttatata cgacggagtt 480
 gaggacaaca agccccttta ctttcgtggc gagagtgggtg ccaatgatag cata 534

<210> 24565
 <211> 315
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24565

ttggccacca agccctcgac tccagcacca gatgacacag gcgcagatac gtcgggagac 60
 gaaagcgacg cctcgaatga tgaagaatcg ccagaggagc tcgacgaaga gcaactcgag 120
 cagcaacgac aggtccagca atcgcgtag gagattgcag aattggaagc tctcattcgc 180
 tcggagacag ccaaattgga aacgatgaac aaccaaattc tcaagggcaa gcttgccaag 240
 cgtattcacg atctgaaaat ggaagtgtct ctcaagaagg tctcaattgg cgagggtgat 300
 gacgccgata gctag 315

<210> 24566
 <211> 981
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24566

atgggctcgt ccaaggaagt tatcatcatt ggcgggggcg tatctggcct eggcatggcg 60
 gtgcagttga aacgcctgtt aggccatgac aactttacta tctacgaaaa atccgataat 120
 ataggagggga cctggtggca taataggtat cccggctgtg cttgtgatat cccgagccac 180
 ttctactctt tcagttttgc gctgaagcct gactggacta caatgtaccc cggccgtgat 240
 gagctgcatg cttgtaagtt gccacaaatt ggtcccaaag tcttccaata tatatgcggc 300
 tgactaggag cttgcagatt tcgtatctgt ggctgaaaaa tacgatatta tcccgactg 360
 ccggttcaat gccatgtgtc tcggtttggt gtgggatacc gcccgttcac tgtgggtgtg 420
 cactttccaa gacaccagca gcggagagat atacaaaagg gaagctccag tggtagtcag 480
 cgcagttggc acgctggatc gtcccttcgt ccctaataac gagggctctg acactttcga 540

gggcaagacc ttccacagcg cacgttggga tgacacatta aaagcctctg ggaagcacat 600
 cgctcgtccta ggcaacggag catctgccac tcagtttgtg cccgagttag tgaaggaagt 660
 tggcccaaaa ggaagtgtca cccagtttgt tcgaagtgcc cattggtgga caaaaagggt 720
 aggattactg tcgctgtctc ggtgttcttg cgctaaatct tcgagtaggg aaacccgaag 780
 tactcagaag ctttcaaaat gctgatgaaa cacgtgccat ttgcagcacg catctaccgg 840
 cttcttctcg catgggagct tgagagcgtg ttcttttctt ttgcgatgaa tgcaaacggt 900
 agcaggatgc gtcagaagat tcgggacgcc acgtacgcct atatcgaaaa agatctccgc 960
 cagagtatcg tgaaactcta a 981

<210> 24567
 <211> 1188
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24567

atgtctcttc aggttgctgc agatagtgga gatctagaga ccgtgaagtt gcttctggac 60
 catggagcag atgccaacat ccaggctggt gaacatggaa ctgctctcca ggctgctgca 120
 caccagggat atcaagatat tataaagttg cttctggacc atggagcaga tgccaacatt 180
 caggggtggca attatggaac agctctacag gctgctgcct ttagtggaga tcaagcgatt 240
 gtgaagttgc ttcttgacag cggagcagat atcaatagcc aggggtggcta ttatggaaat 300
 gctctccagg ctgctgcata taaaggacac caggagatcg tgaagctgct tctagaccaa 360
 ggagctgaaa tcaatatcca ggggtggccat tatggaaccg ctctccaagc tgctgcatac 420
 caggaacatc aagatattgt ggagctgctt ctggaccatg gagcagatgt caacattcag 480
 ggtggcaatt atggaacagc tctacaggct gcttctttta gtggagatcc agcaattatg 540
 aagctgcttc tagaccgggg agctgaaatc aatatccagg gtggccatta tgggactgcc 600
 ctccaggctg cggtgcttc ctttatagga caccaggaga ttgtgaagct gcttctagac 660
 caaggagctg aaacaatagc caggggggtt attatggaac cgcctccag gctgctgcat 720
 ataaaggata cgaggagatc gtgaagctgc ttcttgacca gggagctgaa atcaatagcc 780
 aaggcggcta ttatggaact gctctccagg cttctgcctt tagtggagat caagcgattg 840
 tgaagctgct tctggaccat ggagcagata tcaacatcca ggggtggcaat tatggaacag 900

ctctacaggc tgcttccttt agtggagatc aaacaattgt gaagctgctt ctagaccgac 960
gagcggaaat caatagccag ggtggctatt atggaaatgc tcttcaggct gcggctgctt 1020
catttatagg acaccaggag attgtgaagc tacttctaga ccggggagct gaaatcaata 1080
gccgaggggg ctattatgga accgccctcc aggctgcggc atatgaagga taccaggaga 1140
ttgtgaagct gcttcttgac caggagctg aaatcaatat ccagggtg 1188

<210> 24568
<211> 512
<212> DNA
<213> Aspergillus nidulans

<400> 24568
gctggatcta cgagagcacc cccgacccta accaaccgct gcgtctacgc atcgcgctga 60
aacagcacia tgctgcgggc ttcgagcagg cactgctgga tatgtccaca cccggtcact 120
ccagctacgg gcagcatttc ggctcctacc acgagatgaa gcagctgctt ctccctaccg 180
aggaggcgtc ctctcggtg cgagactggc tctcgggggc gggcggtgag ttcgaacagg 240
acgccgactg gatcaacttc cgcacgaccg tcgaccaggc taacgccctc ctcgacgccg 300
atttcctctg gtacacaacg accggctcga cgggcaaccc gacgcggatc ctccgaaccc 360
tctctacag cgttcccagc gagctcgctg gatacgtcaa catgatccag ccgactacgc 420
gttttgagg cagcatgcc aactcggcca ccgttcgcgc gaagccgaat cttctcgaga 480
ccaaccggcg gctaataaac gcattttctt tg 512

<210> 24569
<211> 1135
<212> DNA
<213> Aspergillus nidulans

<400> 24569
atggctgcgg aggaggacga ggttgactac atgtccatgg tcatagagga accacagcag 60
aaggagactt tcacgcaaaa gaagcgccgg ctccaacgag aggtgcgtgg tactagacgg 120
gcctactcta gtgtcctgct gttacggttg ctaaccgct cgtctcttcc aggccgaagc 180
ccgcgctaga gttccgctga aagccgaacg tgccgcccag gaagctgcca aacgcgatgc 240
agccttgcca actagtacac ttaaccctc taacaagggg tttcagatga tggcaaagct 300

gggatttaaa ccaggccaga cgctgggaaa gcctgccgga gaggatagag agaaagaggg 360
 tagcggtcct aatgcacagt cgcgcacgga acctttgaat cttatatatta aggaagaccg 420
 tgggtgggatc gggctggata gtgagcggaa gcgcaagatt cgggaggagg ccgaggaggc 480
 cgcgaaaaag atcaaagccg aagagggcga ctatcgagat cgtgtacgac tcgagcgcga 540
 aacgaagcgc atcgaagccc agattcatgc agcgcagaag gtcgcagagc gattagatgc 600
 ggatgaaaac ggggaagcgg atctcttttc tgccagtaac gtcgaagata aggataagaa 660
 tgaggaaaag gacgagaagg agcaagaggg cagtgatgaa gaagctcccg caactaagcc 720
 caaagcaaag gccaaagtaa agccaacgtc tcaaataaac atcctatacc gcggacttgt 780
 gcgcgagcgt gaagaaaagg agcgcgccat tcagaccggg catatgctgc agacatcctt 840
 gccgacatcg tttttccgga acccgcggtt accgggttat gaagacgcga cgttggatcg 900
 ggacgaccac gaagcccttg gcggcgagc tgatctctct accgtcctcg agcaagaagt 960
 agaggaagaa gacccggagc tggacgaatt caataccctt gagccggctg agcgcttacg 1020
 gcggttggtt gagtatctcc gcgaaaagca caactattgc ttctggtgca aatatcgcta 1080
 cgatactgcc gagatggagg gatgtcccgg tgtgacggag gaagaccatg attga 1135

<210> 24570
 <211> 429
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24570

atgatgagca ccacctcaac ccttccacct gtttcggcta tgcaaccgct gccgccgatg 60
 tcttcgattg caccaccgcc accggttgga gttggacttg cgactcaatc atcagtgcct 120
 tcagcgccct cggggccccc gcttactgcc aaggtgccag ctggtgctgg tacgaagcgc 180
 ctgcaacctg ctcacacggc agagtcaccg gcgaagaagc agtcaaagtg gtctccggaa 240
 gaggaccccc tgatcatcga gctgcgaggc atcggcatga agtgggagga catcagcaaa 300
 cgactaccgg gacggagtgc aatcagctgc cgccttcatt accaaaacta tctggaacga 360
 cgaagcgaat gggacgagga caagaaaaac aaactcgcaa ggctttacga gaggtatacc 420
 acgctttga 429

<210> 24571
 <211> 684
 <212> DNA
 <213> Aspergillus nidulans

<400> 24571

```

ttgactgtca ctatccgcga tgatctcgac atgtcccaaa cacaaattgc aaactcaaac   60
atcattgctt tactagctac gtaagttccc tgcattgcaag gacaagacgc agagccagcc  120
ctaaccctat atcagactac tagttcgact tatctgcggc cccctatgcg atcgtttcgg  180
acctcgacta gtctttatcg gcctactgct ggtgggctcc attcctaccg cgatggccgg  240
cctcgttacc tcaccccaag gactgattgc cctgcgcttc ttcattcgga tctcggcg  300
cacattcggt ccctgccaaag tctgggtcac aggggttttt gacaagagta tagttgggac  360
agccaactcc ctagctgccg gtctaggtaa cgctgggtggc ggtatcacat acttcgtcat  420
gccggccatc ttgactccc tcatccgtga ccaaggcctc cccgcacaca aggcctggcg  480
cgtcgcctac atcgteccct ttatcttaat cgttgccgcc gccctaggca tgctcttcac  540
ttgcgatgac accccgactg gaaaatggtc cgagcggcac atctggatga aggaggatac  600
ccagacagca tctaaaggca acattgtcga ccttagctct ggtgcacagt cctcccgtcc  660
caccggaccc ccttcatta ttgc                                     684
  
```

<210> 24572
 <211> 693
 <212> DNA
 <213> Aspergillus nidulans

<400> 24572

```

aattttgacg gactaaatgt gctggccgaa gcgtcgcgac agtggggtgc ttctgaccag   60
acaaagcggg ggactcctgc atttccccag tccgtcactg ttgggggaaa gactgttggt  120
gttgatcctg cgctcgaagc ggagggtttt cagggccatc ctactcaatc tgaccaaagt  180
gatgaggatg ttaagattcc gggtaagagt tggttctagc tagtgttttt acacgtcaa  240
cccactaatg gatggaatca tctactcgca gtttccccca aatcgcctac agacgcgacc  300
acaatccctt cgcttcctcc taccggttcg cttgatcctt cgtcggcctc gccgccttta  360
ccggagactt cattgactcc cgacccaacc gccacttctc ggagtcgca gctgtccatg  420
atcgccgcat ctgctagtga aatggtacct cacggcctcc cgttggatca tgatcctagc  480
  
```

tctggacttt ctgacggttt gtctaagatg agttctgcat ggaaccaaca gctttcgact 540
caggaacaat tgctgttcga cagcctccag gagcatgac cgaccctgac agcagcgacc 600
caacgcgctg cctccttttc tcgccccatc gcaatgaacc cgaacactca ggctaagggc 660
tttgtcaacg agttcggcaa ttcaaccaag cca 693

<210> 24573
<211> 274
<212> DNA
<213> Aspergillus nidulans
<400> 24573

atggctgcag cccgcgacat ccagggctt gagatggctc ctctgggacc gttgaacgga 60
aaggcttttg gtactacagt ctgcacctg attgtcacca cggacgctct ggctccgttc 120
aaggtagcag gtccagaacc gagggttgaa cttgaagagc acctgaagga cgaaaaggaa 180
gggaactttg atattgtgat gaaggttgag attatccacc caccgcgctg gcaaagcacg 240
tcttcagcag caacgaatag caatgagggt gctg 274

<210> 24574
<211> 344
<212> DNA
<213> Aspergillus nidulans
<400> 24574

gcggcctttc cacattctcg ccggaactcg gctttgcctg cgacagtatc gtaaactatgc 60
aagtggttct cgcctccggc gaaatcggtg acgccaacga gacgcacaac gcgcctctct 120
tttccgcgct caagggcgga cagaataatt tcggcgctcg cacgcgattt gatctggcga 180
cttttccaca ggatgaattc tggggcgggc caatccagta cccggcgctc gcgaacgaag 240
cacagctgga cgcgttctgg aagttcaaga actcgacagt cgatccgtac gcggaagtcg 300
agcagagctt tttggataac gcgtctgcgc cggctggccg tccg 344

<210> 24575
<211> 1096
<212> DNA
<213> Aspergillus nidulans
<400> 24575

atggcgacca agaacatcca gaacgttgcc gttgctgggg tatatctata tccctccact 60
 agacgtactc ccacctatat cctctagcta accactacag gtcaacggta accttggccc 120
 agccgtactt caccgcgtca tcaactccgg gctcttcaag atcaccatct tcaactcggct 180
 caaggccgaa aacgacgctg ggattcgttc tccttcgtca acctcagcgc ccatccaggt 240
 tccagtcaac agtaacggta attgcagtga cagcggaaat agtaccggaa cccccaagcc 300
 caggattcaa actctcccag tcaattatga ctctgtcgac gatctgacca cccatctaac 360
 cgtccactcc atccacgcgc tgggtctcgt actccccac acggcgcccg acaaacaaat 420
 gaacctgac caggccgcag tcgcagccgg tgtctatcgt ttcattcccct ctgagtttgg 480
 ttccgacctc gataaccag taaaccgggc tgcgccgacc tacaagggca aggtgaacat 540
 acaggagctt ctcaaaagac tagccgcaga gaacaagatc agctatacga tcatctataa 600
 cgggtgctttc ctggactggg gcctgacaca cgcgtttccg atcgatgtag ggaagaggac 660
 cgcggtgttg tatgatgggg gtgagagggt ctacagcacg accacgcaac ctacgatcgg 720
 gcatgcggtc gtgagtgtgc tcgccaaccc tgaggagact aagaaccgag tcgtgcgaat 780
 tgccgaggca aacgtcacga tcaagcagct gctctcacta gtacaggaag tcgtcggcga 840
 caaggactgg accgtaaag aaacggatat agatcaggaa gtcgagaaag cgtgggctct 900
 gatcaagcag ggcgtgttca gcttcgagtc catgatgcca ttcatttatc gtgctggttg 960
 gggtaaaggat gctggggggc atttcgagac gacggataat attctgcttg gggtcgatga 1020
 gctggatact gaaggggtca aaagggtaat cgaggggtga gtgaagaagt tgcgagacga 1080
 agcattctcg cattag 1096

<210> 24576
 <211> 1854
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24576

tccaccatga acaacgagca attccgccgg ctacttctcg acaataaccg atcatccaaa 60
 tcaactagcg cgagtccgac cggcttctcg catgcaggaa aacatggcgc tgcttcaccg 120
 caagggtggga gcgatagcgg tggacagaca ccgaaaccag cgcaggcatt gctgggctcg 180
 cggatgcgct cgagcatccc tatgacaccg tatgttttca cagcttaat atctattgtc 240

cttattgtga catccaagag ctgatctttt gattttgttc tgtctagacg cactctgaca 300
 gccctaact tcgcatcgca gctagccgaa taccgacgcg agcgcgacgg gaagccacca 360
 ccgaacaaaa agttcaagtc ttccgctgct cccaagggaa cgaagctacc agttgggtat 420
 gaagaccgcg ccgcggcgcg actacgcgag agcgaggacg ccaaactctgc tgagcgcgag 480
 gcggagttga aaggactgga agagaagttc aaggagggtc ttattgatga ggagacgctt 540
 acgaggtcac gcagggagct tggggttgga ggggacttga gcagtacgca tatggttaag 600
 gggttggatt gggatttgct gaggaggatc aaagccggag aggatgttga gcggacgaag 660
 gagaagaggg atgaagaggg agacggagga gcagctgctg atgatgagcc cgagaaagag 720
 gtagacgtgg atgaggagtt tgataaagtg ctcgagcaaa aggggggtga atccctgccg 780
 tctgcgccga aaggaaagga gaagaaaagg ggaaatatgg cgccgccgcc agcgcctact 840
 caaactcaga gaaagacgcg cgatgagatt ctacgagaac tgaaagcgag cagggcggtc 900
 gcttctgccc ctgcagctgc ccaagcgcca gaatccgttc tcggtgcgcg gttcaagaag 960
 attggggata cgaagccaga gaagaagcgg ttcacgagc aggacgagaa cggccggcga 1020
 agggaagtcc tcctgattac ggacgcggat ggcaagacga agaggaaaac cagatggctg 1080
 gataaagcgg ggaccacggc gcctgccaca gccacagcca ccgctggcga tcccgtctcg 1140
 gagaaggaga aggaatccaa gccaaaacct ctaggaatgg aagtgccggc cgacgttgcc 1200
 gccaatca aagccgcccc gactgcggaa gaagaagacg atgatatctt cgaaggcgtg 1260
 ggtgctgact acaatcctct gggcggtgac gggtcagagg attcatccga atcggatgag 1320
 gaagaaggcg acgtggcagc tgaagtgaag tcacggcagg aactcgggaa ggaaaagaca 1380
 acggaagaac caaccatgga ggcggccaga acagagccgg caagaccgcg gaactatttc 1440
 gcaacgggca gtacagggaa ggaagcagag caagtggaga gtgaccgtca tcgcaccaac 1500
 ccgctaacca aggacccgac catccttgcc gcgctcaaga gggccgctgc cttacgacaa 1560
 gctgctgagg ggtcggatca cattgccgac gacgaagaag gcgtggacaa agaaacgctc 1620
 ctccgacgta agaggttcct tgaggaagcg cagcgccgcg aagcgctcga cgccatggac 1680
 ttggactacg gttttggagg cagtaggatt gaggatgacg aggatgacga ggggatagtc 1740
 ctagaatcag agcgaggcgg gaacaagagg aagcgtggtc ccaagaagag aaaggggaat 1800
 aaggacagtg cggcagacgt gctgggggtg ctggaaggcc ggaagaacaa gtga 1854

<210> 24577
 <211> 3005
 <212> DNA
 <213> Aspergillus nidulans

<400> 24577

```

attcatctac caactcaacg tgattacccg tccagctttg acctaaacct ccataatccc 60
catccacaag gcaccatggg cagcacatct tccgagccca catacgacag tgagcccatc 120
gagattattg gcctttcgtg caaggccgct gggtcgcgag acaggcccgga gaaactatgg 180
gagatgcttg cggaaggggc gaatgcatgg tcagagatcc ctgatttggg gtttaaccac 240
aaggccgtgt atcatcctga tagtgagaag ctgggacggg acgtctttcc ttctagactt 300
gagtttcagt ggtgaagtgg atgggaagca agaacctggc cagactaacg cggaatcttc 360
gcagacgcat gtcaaagggg cacattttct cgagcaagat gtcgggctct tcgacgcggc 420
attcttcaat tattcggcgg agacagctgc tgtacggtcc ctatgaacga tttcaggatg 480
aatggccagg ctaactgagc atgatgtacg gatagaccct cgatccgcaa ttccgcttcc 540
agctcgagtc cgtctatgag gctcttgaaa atggtaccac cctccccca acagcccttg 600
cgcaaggctg aacagagagt acagctggcc tgacgattcc atccatcgcc ggcaccaaca 660
cctccgtcta cgccggcgtc ttacgcgatg actaccacga aggtctgatt cgcgacgaag 720
acaaactgcc ccggttcctc cccatcgga cctctccgc catgtcctcg aaccgcatca 780
gccacttctt cgacctcaaa ggagcaagcg tgactgtaga caccggctgc tcgacggccc 840
tggtggccct gcaccaggcc gtcctcggcc tgcgcacgcg cgaagcagac atgagcatcg 900
tctctggatg caacatcatg ctgtcgccgg atatgttcaa ggtgttttca agtttgggaa 960
tgctaagccc tgatgggaag agctacgcct ttgactcaag ggcgaatgga tacggacggg 1020
cccagggcgt agcgacgatt atcgtgaagc gactcgcgga tgcgctgagg gacggggatc 1080
ccgtgcgcgg cgtgatccgc gagagctatc tgaatcagga tggaaaaaca gagactatca 1140
cctcgccgtc acaggaagcg caggaggcac tgatcaaaga atgttatcgg cgcgcggggc 1200
tgtcgccgtc ggatacacag tacttcgaag cgcatgggac aggcaccccc actggagatc 1260
cgattgaggc gcgctcaatc gcgtcagtat ttggaaagaa tcgagagcag ccgttgcgga 1320
ttggctctgt caagacgaat atcgggcata ctgaggcggc cagtggctct gccgggctga 1380

```

tcaaggtcgt gctggccatg gagaaggggt tcatcccgcc cagcgtaaac tttgagaagc 1440
cgaatccgaa gctgaagctg gatgaatgga ggctaaaggt ggcagatact ttggaaaagt 1500
ggcctgcacc ggcggagcgg ccatggaggg cgagcgtgaa caactttggg tatgggggta 1560
cgaacagcca tgtcattgtg gaaggggtgc cgaagagatt atacacaccg gcaaattggaa 1620
atgagaccgg ccagataaag catgagacag agagcaaagt gctcctcttc tctggccgcg 1680
acgaacaagc ctgccagcgc atggttgcca gcacgaagga gtacctgaag aagcgcaggg 1740
agcaggatcc tcccatgaca cctgaacaag tcaagaccct catgcaaat ctcgcctgga 1800
cattaacgca gcaccgcaact cgcttctcct ggggtctccg acacgcggtc aagtactcga 1860
cctccctgga caccgtcatt gacgccctcg agtctccgcc gccggcctca agacccttc 1920
gcatccctga ctctccattc cgtattggca tgggtcttcac ggggcaaggt gcgcagtggc 1980
acgccatggg ccgcgagctg atcgccgctg acccgggtatt caaggcaacc ctagacgaag 2040
cggaacagta tttgcgcaa ctggggggcg gctgggtccct catcgaagag ctgatgaagg 2100
atgcagccac gacaagagtc aacgacaccg gcctcagcat ccctatctgt gtcgccgtgc 2160
agatcgctct cgtccgcctg ctcaaggcat gggggatcac tgcctcgcc gtgacatccc 2220
actcgctccg tgagatcgcc gccgcgtata cgggttgccg tctctcgctg cgccaggcca 2280
tggccgccgc ctactaccgc gctgccatgg cagcagacaa gacgctgaag agcgcagagg 2340
ggccccaagg cgcaatggtt gccgtgggtg ttgacaaggc tgccgcgcag gcatacctgg 2400
accgcgttga gaaatcgga gccgcgcgtg tgggtggcatg catcaacagc cccagcagca 2460
tcaccattgc cggcgacgag gcagccgtcg tcgcggtcga gaagttggcc actgaggagg 2520
gcgtctttgc gcgccgactc agggtcgaga cgggatatca ctcgcacat atggagccaa 2580
ttgcgagccc gtaccgggag gcgcttcgcg ccgcattggc ccaggaagat gctgagtctg 2640
gtaccaagga ccagactgat gtcccgggct ttgcggatgc cactaaaccg ggcagcctag 2700
accacaccgt cttctcctcc cccgtcacgg gcggccgtgt cacagatgcc aaagtcctct 2760
ctgaccggga gcaactgggtc cgcagtctgc tccagccagt gcggttcgtc gaggccttca 2820
ctgatatggt gcttggtccc acagatagca gcaatattga cctgatcctc gaggtcgggc 2880
cgcatacagc ccttggcgga ccgatcaagg agatccttgc cctgcctgac ttcagcagca 2940
ggaatgtcag cctcccctac atgggctacc tcgttcgtaa agaagatgcg cgcgactgca 3000

tgctc

3005

<210> 24578
<211> 865
<212> DNA
<213> Aspergillus nidulans

<400> 24578

atggggagat tcgctaacat cgacacccga gaccagacg ttttcgtgac cacctggttc 60
ctggtcggtt ttgctgtgct cagtgtcctg attcgggtgg cgactaagtg cagggtcttc 120
cggcagttga ccagcgatga ttatctgata atcgcagctt tggtagctat cccgcactgg 180
caaagggaa cccaggatat ctacccagtg atcttcagta tcttacacag tctcgtcaca 240
ggctctttgc attgcacagt cgggcgcgat ctccgctgca gtagcgcacg ggtatgggga 300
ccgattcacg accgttgcaa gtgcggtatt cgtccaggtc atgaaggtat atatacgggc 360
catttcattg ctgagtacct gatcgacagt cctaggcctg actatactga gaccgctgcc 420
agtgccagta cgctgcctct atcctgtata tcgcaagcct ctgcctgtcc aagctctcgc 480
tctcaacatt catccacaac ttgaccccag tgcacagaga ccacctgctg gcggctgtcc 540
tgctggccgt catcgccctt ctcggtgtca ctggtatcat cggcactgcg ttccaatgcc 600
gcttgccaca tccatgggat tactggtggc agaaatgctt tgacttgggtg agtaacgccc 660
ggcgccaatt gagctcgtat aacacccatc ctgccgatgc actgcaactt tcgctgaccg 720
ttgcgaatct tgtctacagt gcgcctgggc ttatttctc tccgcggcga acatcgccac 780
cgatgtcgcg attatcgtgc aggcctctct cctgatcttt ggcatccagg cggcatggaa 840
gaagaagctc atgttcgcca gtatt 865

<210> 24579
<211> 280
<212> DNA
<213> Aspergillus nidulans

<400> 24579

gcctcatgct gactgcgtgt gttttttctc gcattacagg gtcaaccttc gcaccagaa 60
gcgcctcgcc gcctccgtgg ttggctgcgg caagcgcaag atttggtcgc accccaacga 120
gatgagcgaa atctccaatg ccaactcccg ccagaccatc cgcaagctcg tcaaggacgg 180

cctcatcatc cgcaagcccg tcaccatgca ctcccgttcc cgtgcccgtg agctcaacgc 240
cgcccgcggg atcggtcgtc accgcggtct gggtaagcgc 280

<210> 24580
<211> 279
<212> DNA
<213> Aspergillus nidulans

<400> 24580
tcttgccggt ctgccattcg tcttgccatc atcatgggcc tcaatcccaa tatccccgaa 60
tcccaattgt cgcacgcggg cgaacgcgaa caccgcgaac gcattcttcag gacagcgtac 120
acctttgacc gcatgtggac ggcaaagctt gattatcctt gcaccatttc tgacgatgag 180
attgagggtta gtctgccgtc agacccatca ggtctgggtg acaaaggggc tctggacttc 240
ccgaactgag gctactctgt cgcaaggata gggctcgcc 279

<210> 24581
<211> 249
<212> DNA
<213> Aspergillus nidulans

<400> 24581
gcagttgcga aagggcggat gcgcgagttc taccaatgcg actttgatat cgctggttcc 60
tacgacccta tgatcccaga tgctgaggtc ctccgaattg tagtagaggt ttttgaggcg 120
ctcaacatgc gcgactatat cacgattaag cttaaccacc gaaagattct tgatgggcat 180
gttgagcgc gtggtgctcc tggggataag attcgctcaa taagttctgc ggttgaccag 240
cttgattag 249

<210> 24582
<211> 765
<212> DNA
<213> Aspergillus nidulans

<400> 24582
tgtaataagg tcgttgcaac agcaaaaaaa cgccacacc tcaagtgat gtgcggattc 60
tctcggcgct tcgacaagtc ctaccgagcc gcctacagaa aggttgaaaa cggcctcatt 120
ggacgcccgt ctatcctgcg ctcccagacg tgcgacaagc acgaccatc cgggttttat 180

gtcgagtacg cctcttggtc tggcggcgtc tttgtcgaca tggccgtgca cgacatcgac 240
 ctgacacttt ggttcttcgg gtctgatatt atccccaagt ccatctccgc gtacggaatc 300
 acggcgggtga cgcctgatct gaagaaatac aatgacttcg acaacgccgt cggcgtcgtc 360
 gagttttacg gcggaaaaat cgcgtacttc tactgttcaa ggatgatggc gcacggacag 420
 gaagacgtga cggagattat tgggacggaa gggaaactct cegtgaactt gaaccgggcc 480
 aatgacttgg tcaattacta ccatgctggg gggattacac gtgaagtccc tgcgacctac 540
 tggggccgct tcgagcaggc atttgtgaaa gaaacgaatg aatttgtggc cgcttgtctg 600
 gacgatacgc ctcttcccat gaagctgagc aacgcggtca aggcggtgca gattggtgct 660
 tggttgcagg aggcactcgt tactgggaga cagatcaagt ttgatgaggc aggaaggagg 720
 gtggagagtg ccaggatcat aggcggtctg gggttatggc tttga 765

<210> 24583
 <211> 300
 <212> DNA
 <213> Aspergillus nidulans

<400> 24583
 tgggcaccag cgctaactgt tccgttacag gtcacgagg ttaccttca gtccgccgat 60
 gctggcgctt cggccaccta ccccatgcag tgttccgctc tgcgcaagaa cggtttcgtt 120
 gtgatcaaga accgcccctg caagatcgtc gacatgtcta cctccaagac tggtaagcac 180
 ggtcacgcca aggttcacct tgtcgccatc gacatcttca ccggaagaa gtacgaagat 240
 ctgtccccct ccaccacaa catggatgtc cccaacgtca cccgcaagga ataccagctc 300

<210> 24584
 <211> 339
 <212> DNA
 <213> Aspergillus nidulans

<400> 24584
 aaaggacac gagatcgatc atggcgcgta gcaacgacat tcctgtcaat tcccgatagg 60
 aactttgaag acctactgct acatacagcg tctgacgaag aggactatct gaaactgtgg 120
 aatcgggaca agaagccttc aaaggaaacc agggatgcc tgacctatct aataaggctt 180
 tctacaaagg agtcagagca tgaggacgcg tcgaatagca ttttcgactg gtacgaactc 240

gagattcgtc ggcatttttt gcagaatttc aaggaagatc tgtccattgt gagctccgcc 300
tcgcacccag acggtctctt gagagagaag tttcccgac 339

<210> 24585
<211> 1035
<212> DNA
<213> Aspergillus nidulans

<400> 24585
tcgatggatc ctcaaatecg tcttcaatta gagtctgtct atgaagcgtt agaaaacggt 60
gcgggcgccc aattgacctt cacgaaccag ttgctgacag cggttcagct ggaatcacat 120
tgccggacgt tgcgggaagc aatactgcag tatatgccgc tgtgttttcg agagactacc 180
gcgatggtat catccgcgac gaggataggc tgctctgctt cctacctacc ggtaccggag 240
acgccatgtt ctccaatcga gtgtcgcact tctttgactt gcgagggccc agtatcactc 300
tggacactgg ctgttctgga ggcttggtt cacttcacga gggagttaag agcctgcgga 360
ccggagagtc cgacatggcg ctgatctctg gcgtgagtgt cttgctcaat ccggatttct 420
tcaaagccat ggggtctgtt gggtaagtaa tatcttgta ccttcagga gggcctgact 480
gacgaaggaa ggttcttttc acctgacggt aagtcgtatg cgttcgactc gcgggccaac 540
ggatatggcc gaggagaagg cattgcaaca atagttatca agcgtctgtc agacgcgatc 600
atcgccgggg accccatcag agccatcgtg cgtgaatcag ggttgaacca agacggcaag 660
accgaaacaa tcaccacgcc tagcgaggag gcgcaggttg ccttgatgcg agactgctac 720
cgtcgcgcgg ggctggatta tgcggacact cagtatcttg aggcccatgg gacagggacg 780
tcgacgggtg acccgatcga atgccgtgcg attgctaccg tgttcaagga cagtcgggtca 840
tctgaacaac cgctgcgcat tggttctgtg aagacgaatg ttggccacac agaggcggcc 900
agcgggctcg cgagtctcat aaaagtgggt atggcgctcg agaaaggcaa gatccctccc 960
agtatcaact ttgagaagcc gaatccgaag attgcgctgg atgaatggaa tctacgcgtg 1020
gtgactacgt tggag 1035

<210> 24586
<211> 600
<212> DNA
<213> Aspergillus nidulans

<400> 24586

cagatctggt attggcaccg tgcctccgac cccggttccc gcgcgcgcaa catgtatgga 60
 ggcgagcccg aagaatggga cgtcaccgct gaacaaccgg ccgacctggt catcatccaa 120
 atgggscggt aacgaccaccg gcatccgaac gagatccag gagagaactt ttaccaggga 180
 tacgttgatc tcattgagaa tatccatcag cattggcccc acgcgtcgat tgtgattatg 240
 gtgtgcctcc ttgaaccgga ccaaattgaa aaccgtacta atatcgtgat acagacacaa 300
 tggggcatct ggaaccaaga aggcagcgaa tatactcagt cagtgatcta cgaagaagag 360
 atccagcgcg tctacgagca tttcaaagac cgcaaattggc gcttcgtcta cctgttccac 420
 acggacggca ttctcggcca caacgatatc aacccaaaga accatccac ggatgttgga 480
 cacatcaaga ttgcaagcca tctgctccaa tggacgaatc tgatgctggg gtgggagttg 540
 aatccgcgcg gggagatgca gcacggcacg ctttattgga atgatatgga gggttattaa 600

<210> 24587

<211> 273

<212> DNA

<213> Aspergillus nidulans

<400> 24587

atgggtggac agaaccgccg tccagtcctc atggatacct cttccgacga agcttccttc 60
 aacgagcgtg ctaacaaagc cattgatgat tttaggctg tccttctgga agactacgag 120
 gacaaagact atatcaaggg tgttcttaag agcgcacggg ctccggcatt aggcgaggca 180
 acagagagtt cgttccctgg tggcgagcca ccggacgaag ctgttcttct tgacgcgctg 240
 aagaacatga tcaaggggtt gaggggggag taa 273

<210> 24588

<211> 1774

<212> DNA

<213> Aspergillus nidulans

<400> 24588

ggattctgcg ggacaatagc cattcctgct aatgctaacg tcttacattc cgagcccaag 60
 gcacatttgc cttcaatgct gaccctcatt tcccgtttgt cttcacgacg agcaggcact 120
 cgatttaatg ctccgggtct tgacgacgat ggaaatgtgg ccaacttcgt cgagacagag 180

acaatcttgg tttgcggaac atccgggggtg gccttctctt atgtgcaagt gcgtgggtcc 240
gtcccaatct tctgggagca agccacagga tttctccccg ggcaacaaaa gattgaagtg 300
acccgatcaa ttgaggctac tcaacacgcg tttgacaaac atatccagtt tttggagcta 360
gaatatggcg ctgtccatgt ggtcaacctt ctatgtgaat caaaaccggg tgaaattgaa 420
ctttcaacaa gggttcgga acatataagg aggaatctca gcagcaaaaa atcaaacttg 480
ccttcagatc atgctctgtt acgtactaca gagtttgatt tccatgcaga agctcggggc 540
cccctaggat atggggccgg aatcaaata aagcacgagc ttacacaatc tctcaatggc 600
tttgcgtact ttctctctaa gcaaaaccgt ccgtctgaga tacctggaac atccgttggt 660
ctacaacaag aaggagtctt ccgcaccaat tgcttggtt gccttgaccg gacaaactct 720
gtgcagacca tcattagctt actggccctt gaatcggtcc tgcgcaaga aaacagtgtg 780
ctatactctg aagttcacca tcggcactcc atactctggg ctgataatgg agatgcttta 840
tcaaagatct acgcgggcac tgggtgctctc aaaagctcgt atacacgaca tgggaagatg 900
tccattgcag gtgccttggc cgatgcgctt aaaactgccg ccagattgta catcaacaac 960
ttctcagaca aagctcgaca gaggacaatc gatcttatgt tgggtctcct gccagatcag 1020
ctgccagtgc atctctacga tccaatcaat gacatggtct ctgctaagct ggatcgaata 1080
tcatacagaat tcaattccaa gaaattagcc gatatctgga ccggaacgtt caacgtgaat 1140
ggacgtgtcc aaggaccggg tactgacttg agtccttggg tatttcccga ggacaatgac 1200
cagcgcaagt gtccgactat attcgtctgt ggattccagg agattgttac cctgagccct 1260
cagcagatca tgtcaacaga ccctacaacc cgtaaactct gggagcttgc cgtcatggat 1320
tgtttaaact cagcgcgagc tgcgcgggga tcaccgaagt atgtacttct gcgatcaggt 1380
caattgggtg ggacagctct gatgatctac gtgcgcgagg atattctcag agacataaag 1440
aacgtggaag gaagtgtaaa gaaggtgagc ggaacttgct atcctcttat aaaactcact 1500
aattcgggtc ctgcagaccg ggctttcttg aatagctggt aacaaaggag gctgtgccat 1560
ccgttcgaa tattcgaata ccaggctttg cttcgtaacc gctcatttag ctgctggctt 1620
tgcaattat gatgaacgga acaatgacta cgaaactatt tgccagggac ttcgctttca 1680
gaggaataga tttattgagg atcatgacgc tgttatatgg ctgggagact tcaattatag 1740
gattggcctt cccaatcaga cggttaggga ctg 1774

<210> 24589
 <211> 219
 <212> DNA
 <213> Aspergillus nidulans

<400> 24589
 atgtctgggg gattttactc gtcgcccttc tgggctggct atctagagac tcagcggagc 60
 aggctacctg tgctcccaga aatcgacgat ggcttgcttc actgtgtcgt gcgctttctt 120
 ggatacaacc ctggtagcat gcagctgcag ggcaccaaca catacctagt cggtactgga 180
 agcaccagga tactcatcga cactggagag gtaagacct 219

<210> 24590
 <211> 469
 <212> DNA
 <213> Aspergillus nidulans

<400> 24590
 ctggcgcacg cgggcttctt ctacaacccc tacgagacga accctgacaa cacaacatgt 60
 tttctctgcg gaagagcact cgacggatgg gaggaagatg acaacccgat cacggagcac 120
 ttgaaacacg caaaggattg tggctgggcc gttatgatgg atattcagca gcgtagctcg 180
 aatccagccg agatagaaga ccctacaagt gagccgatag tccaggcaag actagcaacc 240
 ttcggcgact catggccaca tgatggcaag aaaggctgga tatgccaatc agacaaggta 300
 aggcagcttt tttgcaatcc taaggcttgt atgtctaatt gtatatcttct tgatggtaga 360
 tggttgaagg cggatggtac ttttgtccca acgaagaaag cgccgacctc gcgagctgcg 420
 cctactgcaa attgtcccta gacggctggg agcccaaaga caatcctta 469

<210> 24591
 <211> 312
 <212> DNA
 <213> Aspergillus nidulans

<400> 24591
 aagatggaag acatgcgcgg agtggaccac gagctgtcgc gccgggagcg catgcgtaaa 60
 ctcgagctac ggatcgacga gctcacacga gaagtcgaat cagcaaagac cacttcggag 120
 atgtttgacg aagaggctcg cccggaagtg gctgactttg aaagaatcaa agcaatcgaa 180

ttccgagact	ccttgggcgc	gctcgcagaa	caacacattg	agttttatca	gggtgtacta	240
aatacttggg	aacgatttgt	ggctgagatg	gaggaggaac	agagtacggg	ggacgctcac	300
ccaaacgcat	aa					312

<210> 24592
 <211> 483
 <212> DNA
 <213> Aspergillus nidulans

<400>	24592	
atcccccaat	gcaacaatgg	ctcctcatta tccactcctg ggctgacgga tgacatgacc 60
cctgcttctt	tccaatcccc	cagcgaagct attacccttg caacaaccga gcagccatca 120
tcgtttcaat	cttctgcctt	gtcccccagc ttgacaagc tatecttecc ctctctcccc 180
caagatgctt	cgttcgatga	ctccctccga cgcgacagtc atgcgaagtc tgaggtcagc 240
gactcgttca	gtcgaggcgt	cactagcaac gcaagcagct tcacttacia caacctccgg 300
gactcggaat	tgagcgggtg	gtcccagacc tctaccaggg cgacgtcgcc tgacattgga 360
atggccccgt	ctctcaagaa	cagtgtcagt tactcaactc tagccgagga gaacgaggag 420
acagaagcca	acgttctgga	gaagacatat gtcctgaac tgatcttcaa ggatgaaacg 480
tga		483

<210> 24593
 <211> 579
 <212> DNA
 <213> Aspergillus nidulans

<400>	24593	
agcgccaacg	gactgaatcc	cacaaggcct ggatcaagga cattgacgag gtcaccggct 60
caaagctgac	cttccccatc	atctccgata ccgagcgcaa gatcgccac cagtagcaca 120
tggttgacta	ccaggacacc	accaacgttg actccaaggg tatgtgggat ctaggaatat 180
gctgaacttg	agcttctctc	taaccacttt cccgcaggtg ttgctcttac catccgttcc 240
gtcttcatca	tcgacctgac	caagaagatc cgcctcatca tgacctacc cgcctccacc 300
ggccgcaaca	cggctgaggt	cctccgtgtc gttgatgccc tccagaccac cgagaagcac 360
ggtgttacca	cccccatcaa	ctggcttctt ggtgacgacg ttgtcatccc tcctcccgctc 420

tccaccgagg atgctcagaa gaagtccggc gacgtccgtg ttgtcaagcc gtaagttcac 480
 ccgagcctgg agcattcatc agttgtttgg agcagttgag cagttgctaa ccatctctcg 540
 tgcagttacc tgcgtttcac caacctcaag aaggaataa 579

<210> 24594
 <211> 458
 <212> DNA
 <213> Aspergillus nidulans

<400> 24594
 actgcatgat ctggaataga actaagataa actatgtttt cgtctttgaa tacgacacta 60
 gatccgcact ggattggcgc caattggccg aggtatgttt actcaatgat acactttttc 120
 ctgatattaa ctggcgacag ataccttgct tctttctttg catataaggc ctatatatgt 180
 ggctgaactg tctgacagac aatgccatgt acatttactg ggctgtagtc cttgcaggag 240
 cactgaggc tgtgctggat ctgccgttac gcgtactata ccatcgaaga cgaaaatggt 300
 gcgcgaatta taatgttaga caacatgtac gtgatgcgct ttctactgct gatatggta 360
 cgtggcgta tctactggca gctttgtacc agtgtgagtg tcgggactct tatttggtg 420
 acatgtactg gaatcagact tatgcattga gcgagagt 458

<210> 24595
 <211> 1516
 <212> DNA
 <213> Aspergillus nidulans

<400> 24595
 ccttttagcg ctcaccccat ggctccaaaa atacttaaag acggcacggt gctgtcctat 60
 aacgcatcca cgcagtcgat aaaggcactt cagcgcgctt cgatcttgat tgtcgaatgac 120
 cgtattaccg ccatagaaga gaacagcgat gatctctctg ctccgtcaag aaccgagacc 180
 attgatgtct cggggaagat tgtctccccg gggttcgtca acacacatgt ccatgtgtgg 240
 gagactgtct accgctccat gggacctgac acgactctgg cggagtactt tggctggggt 300
 agccacatgt cggagatcac acaggctgcg ttcacgccag acgacattta cataagctct 360
 gtggaggggt atgttgaagg tctgaatgcg ggtgttacgt cctttgttga acatgcgcac 420
 agcaactggt cagaaccctg aatggaatcg ggctaccggg cggctgtcga tagcggggcg 480

aggggtgtggt ggtgctatga tgtaggcat aaggagggat tttctagtga cgaacagtgg 540
 gaagcttacg gcgctctcat caaagataaa agcagtcctc ggcgtcctgcc tgggctagcc 600
 ctggacgggc tggcatggac tggtatgaac ggcgatggaa agggagcggg tctcattcgt 660
 gagaaaaagg agtatgttcc caatcattat gctagagagt gatgctaacc gcagcaggaa 720
 gctgggcttg caagccctca ctatgcacca tcttggtgga ccgtggcctc ccatgaatac 780
 atccccacc acagtctgcg ctgacaataa catccatgag gccaatcttc cgatcatttt 840
 ctcccatgca tcttttctta ccgactcaga caaggacctc atgcgtaagc ataacgtctt 900
 tatctccatc actcctgaat ccgaatgcct ctacgggcag ggccaggaga ccggccacga 960
 ggtgtccgac caggcatccc tgggcgttga cacgaactgg aatttctctg gggatattgt 1020
 tggccaggca cggctttggc tgcagctggt acggttccgg aactacacca agaccctcgc 1080
 agctggcctg ataccaaagg cgagcccgat ggccgtggag caggctttcc tgcttggcac 1140
 aagacaggga ggccgtgctc tacgaagaga cgatatcggc gtcattactg tcggagcgaa 1200
 ggcagacctt gtcattctca atggcgatag cccgagtatg ctaggttggg gcgaccccat 1260
 agcagcggtg atactacacg ccagctccgg agatatagag catgtcttgg tggatgggga 1320
 atggaaaaag aaggatttca aactcgttga cctgcctacc ggtgcatcgt gggacgagct 1380
 gcgtgagcga tttttggagt cctcaaagcg catccagcct catttcaaga ctccgccgcc 1440
 cctaccggag aagctttttg gtgtagctga cttcggagag gttgagaatg ttagtactgt 1500
 ctttaaacca tcgtga 1516

<210> 24596
 <211> 1614
 <212> DNA
 <213> Aspergillus nidulans

<400> 24596

acatataagt cgcagggttac aagtaacaat aggcattcgc gagtttatag cgagaccaac 60
 ctgccgtcca acccacggga tggtgggaag actatgtccc gatctgtgag cgcgatgggc 120
 tctagcacga gtcctgactt ccataatgat gagcgtctt ttcattacgc gccactcgg 180
 gcgtatctta ctcaccgcgc gtcggtctcg tctatacagc agaatcactt agttccatct 240
 gtgaagggaac gcgcatectc taattcgcct tcgattgaag gagtagagga agaggaggcg 300

aaaatctcga atatggaaga attcaatact gcttatccag ttcattgaccc cctttctcgc 360
 tcccaatccc agctccaggt ggcgcgacctg caggatcaga tgaaagggct tcacatcaag 420
 atctcgactc tgaaggtgaa ggcacaggag gatgggtctgc ggcgcgcgag cctacagagt 480
 ttgcgcacgc ccagcccttt gacagccgca aaccattggt acgccaatcc tcttgagcac 540
 actgcacgcc gcagtcctct acatttgagc tcagaatatg accaatacat gaactcccc 600
 atcaacagcc attccagcgg cagcgggagc acgtcaagta gcaataccga ttcgactgtc 660
 cttgtcccgg agagtaggcc ttccgaggct ctgcagtcgt cggacggcgc tatcgttgca 720
 gcctttgaac taaccgacca tgagagcgat cactcgaccg cggaaagcct ctacgaagat 780
 gcagaggagg acatcgaccg tgaggcggtta gaggagattc tacgagaacc tctggatgat 840
 gacctcgctg atggcgagct ggagtcgctt ccagcgggtg acgatactcc gcacgaagaa 900
 cgtgaggacg cttttgacta cgagcacttt attctgcata gcgcattggg caattacaca 960
 cagacgcgac tccgtcggca aagcaatgcg tcggaaacgt cagttgagac caccggcca 1020
 atcaacaagc gccgctctat gcgtttctata aagcattcca ggtccaacag caacaactct 1080
 atatccacga tcgcaacctt tgcaacagcc gcggaaggca gggacgacat cgaaagtgtt 1140
 ctgtactggg accggaaatt taatgatggt acgcttttta ctctcactat ttctgaccac 1200
 caaaaactaa taaccctaga actcaaacac cgctacgtag aaccggagga tgaacaaaca 1260
 gacatcgacc ctgaaccaga acgcaaccct cgcaaategc tcgcagtcga atcggtcgcc 1320
 tcacagcgtc ctgactctgc agcaaccggc tccgcaacac caacgtcgct tgcctcgtcg 1380
 cttgtctcga cagtgcgtgc ggcagcaagc ccacatccaa actccacgaa cagccaccta 1440
 ggtattaatg aagacgacac tcggttgctc gaacagctgt tcaaaagtct aggcgacgtt 1500
 tgcattgaact tgcaggaact tacgacgtca ccggactatg acgagaagca agcgaagcta 1560
 ctcaggcgac ggttacaggc cgcgaggcgc gtgcttgatg aaaagattga ttga 1614

<210> 24597
 <211> 532
 <212> DNA
 <213> Aspergillus nidulans

<400> 24597

gaagctttca gagttagact atccaccta gcccctggt gctactgacg caggatctga 60

aagtaccaag gctgtgattg agtccctggc gaaggctcac gccaccgaga actcgaaaat 120
cggcgtcgat gttgagtcta tcgatagcat caatatctca aatgagactt tcattgagag 180
gaattttacg gccagcgaac aacaatactg ccagaatgcc ccgtcgccgc agtcacgcgtt 240
tgcggaaga tggagcgcaa aagaggctgt cttcaagtcc ttgggtgtct gcagtaaagg 300
tgctggggct cccttgaaag acatcgaaat cgagaatgac tctaacgggg cgcctactgt 360
taaggtaaga tcaactcaaca tgtttcatgt tcagttttac atttgagcta acgatttcta 420
gctccatggt gttgcggccg aagctgctaa agaagctggt gtgaagcata tcagtgtcag 480
catcagccac agtgacatgc aggctgtcgc agtggcaatc tcacagttct aa 532

<210> 24598
<211> 843
<212> DNA
<213> *Aspergillus nidulans*
<400> 24598

atgcgatcac cggactcgtg gctttctctt aagccccgga agaccgcgtg ggtggcgctg 60
gccgccattt gcctggcctg cactctcttg ctgctcttct atcagtatga ggacatccca 120
ctgtcctcat cctcaaacct accagccacc aaagtcctgg aaactcagac tagtggtgat 180
ttcagaaaaca cgccaaccac tccaagcagc agcagcagca gcagcagtag tgccaccaa 240
tacaaccca gcaatgccgt gcaaggcgat cgccgctgtc aagcctttgc tgaccccggc 300
aacgtcgcct tcgtgatcaa aaccggcgct actgaagtct acgagaaact cccacgcag 360
ctccttacca cactcggctg cgtccaagac ttctctctct tctccgacct tgatgagcaa 420
attggtccct accgtcttcg cgacactctc gccgacttca acgagactct caaggccacg 480
ctccctgatt tcgagctata ccgtctgcag catgagttcc gtcgtacaaa ccaggatatg 540
gcgcccctaa agggcgagca tgcatggaag ctcgataaat acaagttcct gcatatggtg 600
gaaaaggcgt ggctggagcg cccgggtcgc gattggtact ttttctttga gacggatacg 660
tacattgtgt ggactaatct ggtgctttgg ctgcaacgta tttcgccgcc tactgagccg 720
ctatatctgg gctctgttgc gtactttatg aatgatcctt ttgcgcacgg tggctccggg 780
attatgatgt cgggtaagct ccttgagcag ttcattggtg ggggagcccg ggctcgccaa 840
taa 843

<210> 24599
 <211> 1473
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24599

```

atggtaccga accctgtctt cctcttgaca ctggccctga gcctggcaaa gacctcgctc 60
gcggtccgcg gttactcgcg tcgagtcgac acgccgcagc tgccgtttga cccaataacc 120
actccgtact gtacgtggtg gattgacaat gatgggtcaa gtcctgctc ggacatcctc 180
tccgactgga ttatctccct cgatgacttt aggcgctggg tgggtgctcc cctccaccga 240
tatgggggcc ttcgattggc ctaactctc tctagaatcc atccattact gctggttgcg 300
gcggttaga gacaggaaag tctactgtg tagaggcgtg gggagagccc gtgcctacga 360
ctagtacttc tctgacaact acggctgtcc ccataacgac gactactacc accaagaccg 420
gaaacgcccc tggccccacc cagtcgggtc aggtcgagac gtgcaaccgc tgggaccttg 480
tccaggacgg tgatacctgc agcgtgtacc ttgaaaaata ccccggtctg tcgttggcga 540
agctggtgga gtggaatcct gctattggga gtcagtgcc gaacctgtgg gttgagacat 600
atgtaagaaa cttccatgcg tccccgtacg cggaagaaga catacgttgc taacgagcat 660
atctagctct gcacaggcat cgagggatgg tctgcaccta cgaccaccac agctacgact 720
actacctctc cgccgggtaa cgggatccca accccaacgc ctacgcaacc aggcatgatc 780
gcggactgca acgcgttcca tgaagtgaat tctggcgaca cgtgcgcgaa catcgcccag 840
agtgcaggca tctcgggtctc gcagtttaca gcgtggaact ccggcgctcg gacgggctgc 900
acctcgctgt ggctcgggta ctttgtctgt gtctcgcgag tgggtgctac ggcgacaatg 960
actacgacaa ccacaagcgc gggtaacggg atcgccacgc caacccaac actccccggg 1020
atggtggcga actgcgatgc tttctaccta gtgagatcag gtgacgggtg tgccgcgata 1080
gccagcagca aggaataag ccttgcgag ctttacgcgt ggaacacgaa tctcgggacc 1140
agctgcacgg gcttgtgggc cgagtactac gtctgcgtgt ccatcgtagg tgtgtctccc 1200
actacaacga cgaaaacaac cacacggacg gctacgacta cgagaaccac cacaacgcag 1260
ggcaatgggg tggctacgcc cacgcctatc caaccgggca tgacgacgtc gtgcaagaag 1320
ttccacaagg ttgtctcggg agaccagtgc ggaacgattg cctccaaggc gggcattaca 1380

```

cttgtcaact ttctgcggtg gaatccaggt gttggcggtg cagcttggtc ctcggtgtgg 1440
 cttgggtatt atgtttgcat tgctgtgctg tga 1473

<210> 24600
 <211> 786
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24600

ttgaagtttt tcagtcatgt tgactcgacg ttctctgtca gtatccttac cgtcggctgg 60
 tggacaatgg tgacaggcca atctttcgtc ctctattctc ggttacatct tgtgcttcga 120
 gacgaacgga tccttcatcg cgttttgtac atgatcatag caaatgtctt ccttctgcac 180
 gtgccaacaa ccgtcttgac gtacggggca aatgtcgtcg ctgacgagcc ttgggtagta 240
 ggctataacg tcatggagaa gattcagatg accgggttca cgattcagga agtcatcatc 300
 tcagtactat acgtctggga gacaatcagg atgcttcagc tcacctccag tcgtgagaac 360
 cggaaaataa tgcattcagc ggtcgggacg aacgtgatga ttgtcacaat ggatttagtg 420
 cttctgggac ttgagtacgc cagcttgatg gctatccaaa taacgttgaa gggggtcgtc 480
 tacagcgtga agttgaagct ggagtttgcg gttctgggaa agctcgtcga cgttgtccat 540
 ggcaataaac gcaccggttt agtcgggagc ccgatccatc tatgctctct ccaggcttcc 600
 cgtcccccag gtggagtgtc ggcggccgct cgtggcggtg tcaatctcgg tcacagctca 660
 atgatgaacg ctgcttcaaa agcgcctcca tctcaacaaa acatcgatgt gccggatgac 720
 aagatttttag caatgacgga agtttcaacc tgggttgaga gacgcccag aggcggtgat 780
 ctttag 786

<210> 24601
 <211> 956
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24601

cccaccagcc ttgaagctcc cttcctggaa cagttcacgg acgactggga atcgaggtgg 60
 actccttcgc acgccaagaa ggaagactcc aagtcggagg aggattgggc ttatgtcggc 120
 gaatggtccg ttgaggaacc caccgtctac aagggtattg acggagacaa ggggtctggtt 180

gttaagaatg tcgcggccca ccacgccatc tctgccaagt tcccgaagaa gatcgataac 240
aagggcaaga ctcttgttgt ccagtatgag gtcaagccgc aaagtgagta attctccttg 300
ttggaactga cgcattggtg tgataacctc ttccagactc ccttgtttgt ggtggtgcct 360
acatgaagct gctccaggat aacaagaagg ctcttgccga cgatttctcc aacaccaccc 420
cctacgtgat catgttttgt cccgacaagt gcggtgccac taacaaggta tgaccagccg 480
ctaaagtttt atccatggca tccacttact ttctgcaggt tcacttcac cttccgccaca 540
agaaccccaa gactggtgaa tatgaggaga agcacctgaa ggctcctcct gctgctcgca 600
ccagcaagct gagctccctt tacaccctca tcgtccgcc tgaccagtcc ttccaaattc 660
tcattgacgg cgccgctgtc aagaacggca ctctcctcga ggacttcaac cctcccgta 720
accccgagaa ggagatcgac gaccccaagg acaagaaacc cgacgactgg gtcgatgagg 780
ccaagatccc tgaccccgac gctaccaagc ctgatgactg ggatgaagac gccccctacg 840
agattgttga tgagtctgcc gagaagcctg acgattggct agaggatgag ccgaacagca 900
ttctgacccc tgaggccgag aagcctgaag actgtccttg tatctacgtc ttctaa 956

<210> 24602
<211> 827
<212> DNA
<213> Aspergillus nidulans

<400> 24602
ctcactggcc attctctgga agcagccatt ctcatctggc cgttgtgtca aatgcccac 60
cggtgaaata tcctcactgc ttgagcagag gatactggg ctcaaagggt cacctaacct 120
tgccgagtct ggccatgtct tgtctgtctg tgatggaatt gttcgcgcg gtggtttgac 180
gaacgttcaa gctgaagaac ttgttgaatt tgaatctgga gtaaagggga tgtgtatgaa 240
cctggagtcc aatcatgttg gtattgtgct ttttgggtcc gatcgtcttg ttaaacagag 300
tgagcctgtc tggcggactg gcgaaattgt ggatgttcct gttggtccta agatgttagg 360
acgtgtggtt gatgcactgg gtaaccctat tgacggcaag ggacccatcg agactaccga 420
aagaagtcgt gccc aaatca aggtcctgg tattttgcct cgccgttccg tcaaccaacc 480
tgtccaaact ggccaaagg ctatcgatgc catggtgcct attggcagag gccaacgtga 540
actgatcatt ggcgatcgac agactggaaa gactgctatc gccctggaca caattttgaa 600

tcaaaaaata tggaacaagt cggatgacga atcaaagaag ttgtactgtg tttacgtggc 660
 cgttggacag aagcgggtcca cagtagctca gttagtcaag accctggaag agaacgatgc 720
 tatgaaatat tccattgtcg tggtgctac ggcattctgaa gctgctcctc tgcaatacat 780
 tgctcctttt gccggttgtg caatggggga gtggttccga gaccatg 827

<210> 24603
 <211> 207
 <212> DNA
 <213> Aspergillus nidulans

<400> 24603

atgaagacca ctttctctgt ttccctggcc accgctgccc tcagcagcac cgccgccgcc 60
 gtctccgtca gcggtctggc cgagggtttc gccaaagggtg tgaccggcgg tggtagtgcc 120
 acagccgtct acccagacac catcgacgag ctggtctctgt acctgggaga cgacgaggcc 180
 cgcgtcattg tcctctctaa gacgtac 207

<210> 24604
 <211> 209
 <212> DNA
 <213> Aspergillus nidulans

<400> 24604

aacgacgaca agcccatgaa gctctcgaag cacagaagaa actcaagcgt cctcctgttg 60
 gcgccccga agcaccggga cgcccgtca aggctgccaa gggcgtggt ctcaagccta 120
 cttctggcgc tgcggcagcc gtcattccgg acgaatatct acctccaat aagattctat 180
 tcctgcggga gtccccgat acagcggac 209

<210> 24605
 <211> 678
 <212> DNA
 <213> Aspergillus nidulans

<400> 24605

atgactaccg atgattttga gcctctgctc tgcttaggca agggatcctt tgggaccgtt 60
 ttgctggtgc gccatgctct cacaggaaag ctttacgcgc agaaacagtt caagaaagcc 120
 tcgattaccg ttcacaagaa actcgtggaa caaacgaaga ccgagcgcgc gattctggaa 180

agcgtgaatc gacacccctt cgttgtaaag ctcttctacg ccttccagga ccacgaaaga 240
ctttaccttg tcctcgagta cgcccaagga ggagaactct tcacccacct cgcgatggaa 300
cgcatgtttg acgaagacgc tgcggccttc tacatggccg agatgggtcct cgcgttggag 360
cacctacatc agaacgtcgg cgtgatctac cgcgatctta agccagaaaa ctgcctcctt 420
gaccgcgagg ggcacctcct tctgactgac ttccggcctca gcaaaatcgc cgtgggcgac 480
gacgaccgct gcaactcttc cctcggcaca atcgaatata tggccccga agtcattcaa 540
ggcaaaccct atggcaaagc atgcgactgg tggtcctcgc gcgctctggg atacgacctt 600
ctcaccggct cgccaccctt taaggcaaata aaccacgcga agctgcaaga gaagattctc 660
aacagaaac tcgtccta 678

<210> 24606
<211> 836
<212> DNA
<213> Aspergillus nidulans

<400> 24606
atgtcttcgg aagctgcccc caaggtgccc gtctactccc cgaatgggtat gctggcagta 60
actgagtcta cagctcacag cactctgaac caactaacat ccgcatctgc ttaattctcg 120
atacatgtac taattccttt ttgaaacaaa cacagacctc aaatcaacaa cagacgacgc 180
cttagtcccc taccttacca ccttcccgca gccctacacc tttaagcaag accacttcaa 240
gacaaatggt cgtttcatcg tcggttacag cgccgtcgca atcgagcgt tcacgttcta 300
cgcggaaccgc aagcttgggt gggaagcgac gacatcgta tgggttattg ccgcagttgg 360
ttcgtacttc attctaaact cgctgtcac gtactgggtc tgggccgtcg aggctagcga 420
ggtctttcgg gggaagcgca agtctgggga gacggtatgt atcttctcaa taatgtctat 480
tcctttgggt ttttactca ggggaaggga gcggagcgac tggtggcgac ttgcgtagtt 540
tctaatacgg ctatgaatag atatctattc gctcgtccgt gaagaagcac acgcctctct 600
acagactgca gattcagtat aaatcggtt cgaacagcgt tttagaggag atggagatcg 660
tgtcgccgtt tacagcttgg ttctctgctg acgggacata ccatccggag cctttgcgca 720
tgtggcttgc ggatgagatt aatgtgctac gcctggccgc tcagaacccc agaaacaaac 780
cgggtggcgt ggctagcgtg gtgggagtcg aggagtctga gcacaacgag gtctag 836

<210> 24607
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 24607

atggacgggg acgagctcat cgctcggtc taccgcaaga tcgagcggga gaaagccctt 60
 atcgccgctg cgctgaatat gcgacagtca accgataatc ctctggtgca acaacgagtc 120
 gatgcgaata ttcgagatgg ccgcaagaac atcgcttatac tggaagagaa gatgaaagag 180
 ctgcagctgc ggcagatgga gcgagaatcc ggttcaccca ccgataaacg gctgccaccg 240
 aaccctgaag atggccctgc ccctccgccc aaagatcctt tgggggatgg tgatcctacg 300
 cagcaccgagc agcctggggc cgcatctatg ccgtcgggtg ctcttttcaa ggatccccga 360
 cctttcgcg cgtgtgceca ggccccgtccg aattatacta aactcggtat gttcattgca 420
 ttg 423

<210> 24608
 <211> 538
 <212> DNA
 <213> Aspergillus nidulans

<400> 24608

atgaagctaa gtcccgggtc tcttgaaaac catgaccttg tgaaacgcgc attcgccggc 60
 gatgaggtcg ttcaagagtt cgagcaggag aaacttgaca ctatcgagga cgagggcgac 120
 aaggtcatcg acgagacact ccctggctgg ggcagctgga ctggagacgg cattagcagg 180
 aaggaaagga agcggcagaa gcgcgttttg acaaagggtg agggagtga gcccgaat 240
 cggaaggatg cgaaactttc tcgtgttatac atcaacgaaa agcgtattaa gaaggtaaag 300
 gcttttatcg atttcgcacc catcgacgtg aatactaata tctggcttcc tgcagaacaa 360
 caagtacctt gcgacgcaac tgcctcaccg gttcgagtcg aagcagcagt acgagaggtc 420
 gcttcgtgtc ccgattggtc ccgagtggtc taaaaggag actttccagt cttctaccaa 480
 gccccgtgtt atgatcaaac agggcgctcat caagccgatg gagaagccga tggtttag 538

<210> 24609
 <211> 831

<212> DNA
 <213> Aspergillus nidulans

 <400> 24609

 atggatgagc ttttcgatgt cttcgaggat aagccccaag cggcccagct ctctgaaccc 60
 agacgaccga agaaagagaa gagcaagaag cgccagataa acggcgatgt gaaggaaaac 120
 ggggaaaatg caaaacccaa ggagaatatc gctcccgatg tcgcggaaca agaaaacaag 180
 gaagagaagt cttcaggctc ggataacaac aatcagccag agacaaagcg attgcgatta 240
 gaagaagagc cggaacccgt tgtcgcagac ttgttcgaaa ctgcgcaaga gcgcgagatt 300
 gcaggatctg cagggcttca agctgagaaa gaagcaggcc cagtggctct gtcccaccag 360
 gtccggcatc aagtcgccat tccgccgaag tatecttacg ttccaatctc tcaacacaaa 420
 cctccggaga accccgcgag agtatggccg tttacgctcg atccattcca gcaggttgct 480
 gtctcgtcga ttcagagagg agaaagtgtg ctggtatcgg ctcataccag tgcgggaaag 540
 acggtggtcg cggaatatgc tattgctcag agtttgaaga acaatcagag ggtcatctat 600
 acaagtccta tcaaagccct gagtaatcag aaataccggg agtttgcagc ggaatttggc 660
 gacgttggtc taatgacggg tgatgtgaca atcaacccta ctgctacttg cttggttatg 720
 acgaccgaga ttctgcggtc tatgttgtat cgcggtcccg agatcatgcg cgaagtcgcc 780
 tgggttgtct tcgacgagat tcattacatg cgagatgcta gtaagtgtgt c 831

<210> 24610
 <211> 219
 <212> DNA
 <213> Aspergillus nidulans

<400> 24610

 ctgtggtccc tcgttcccgc cgagcagcgt gatgcctaca ttagcggcca gaagaccgac 60
 actgcccccg tcattgacct tctctccctc ggttactcca aggttctcgg caagggccgt 120
 cttcctgaag tccccatcgt tgttcgcgcc cggtacgtca gccgtgatgc tgagcagaag 180
 atcaaggagg ctggtggtgt tgtcgagcta gttgcatag 219

<210> 24611
 <211> 402
 <212> DNA
 <213> Aspergillus nidulans

<400> 24611

atggggaggc tccagctctc aagcgggctg aaggccatag ccctgctcac attcgagcgc 60

acagcaacat gctggccata cgacgagtc ctcgttgact acaacgtcaa cacgaataag 120

tcggccacta accccgccga ctactgggga gaatggctcg atcacaagta ccatccgtcg 180

ccagagaact ggcggtttcc gttttacaca ctcttcatgg acagattcgt gaatggggat 240

ccaacaaatg ataacatcaa cgggaccacg tttgagcacg atctcaattc aaatcagatg 300

cgatcatggcg gtgatgttgc tgggctgggt gatacgctgg attacttgca agggatgggg 360

atcaagggtgc gtataacgat attattcgtc aatttctggt aa 402

<210> 24612

<211> 459

<212> DNA

<213> Aspergillus nidulans

<400> 24612

gcatttatga cgctgttcaa gacatttatg gctgatctag atagccgcga ggaccgcgac 60

gcagccttgc atctttctcaa agatgccgag aagcgcgccca tgagcaggta taatgcagtg 120

gtacaacccc aagaagcaaa tgacagcggg acaggggaac tctcccagtc actaaaagtc 180

acttgtttga ccgacgagaa ggcagagaat caggatgggtg atgacgacga tgatgatgct 240

gataggctaa atgtgcgggc tttagccaat tatttgatg aatgtgtgaa ctgtcggagg 300

gagctcgaga atatccactt ctggtacttt tgttgcttgt gcctgtatac agcgctgtgt 360

cgcaggtgct atcacgagtt ggaaggagga cctcatccat ccgggctggt cggtacatgt 420

aatccagagc acgaatttat ttatactagg ggtcttctt 459

<210> 24613

<211> 267

<212> DNA

<213> Aspergillus nidulans

<400> 24613

ttacccttgc cgttcctccg cgtacaatct tcaaagcctc ctatcgataa aatggcgtag 60

tacgaacccc aaggctggca ggccccgact tctcgtcagg catcctggga gcagcctgtg 120

cctccgtcgc gatcaggtat gaatcgatct gtcacaccgc ggttggactt tttgcgatac 180

gggatcagaa acttacccat gtgtgatcag gatccagctc cgtctcccag cgtgacgatg 240
tccccgcttt ctctctcag tttgacg 267

<210> 24614
<211> 528
<212> DNA
<213> Aspergillus nidulans

<400> 24614

atgatcgaca ccatcacaga cctgaaaaac aaccgcctca aatcagccgc aaactccacc 60
atagcctccg agcacatcac caagatgcgc aagattctcg gatccctcaa caactcgcgc 120
gtcatccgtg ccaactgaacc catcagcatc tctcggagcg acattcataa ttcctcaaag 180
aagggcaa at ggtggctcgt cggcgccagc tggaaagagg acccccttga gtctgcccgc 240
caggaactct cctcactctc tgccgccaac acacatcaag ccacgatagt agcggacgac 300
agcgaagctg aaccagacta cgctctatc gcgaaggcgc accgcatgaa caccgacgtt 360
cgccgtcca tcttcgtggc tattatgtct gcaacagact tccaggatgc acacgttcgt 420
ctgctcaa ac tccgcctcaa gcgcgcacag gagttcgaaa tccccctgtg cctcacccaa 480
tgcgcaatga aaaaggacgc tcataaccg tactacacgc tcatcgcc 528

<210> 24615
<211> 799
<212> DNA
<213> Aspergillus nidulans

<400> 24615

atgacagagt tggaggtaaa agagaccgtt gcattgggcc tgtccagcag cccatttgcc 60
tgctcctcac tcaactcagct tagtggagga acagccaatt tcgtttatcg cggcgttctc 120
tctcgacctc ttccaaatgg caccgacaacc gttattgtca agcatgcgga agaatatctc 180
gcttcaaact cagattttta gctgactgca aagcgatgtg tatggcttgt cttttctgtc 240
tgggactcag cgtgactaac aacttatagt tagtagagga agccgccttg cgggcccttg 300
acggcatgca aagcgagacc acgacaaagg aagactcgga ctttgatcag aaacatcaag 360
taattgtcaa atcgcccaag ctattgcact tcagccgatc gacatatacc caggatcatg 420
aagatctgcc cgactctgta gacctaaaga ctttctgtct ctcatctgat atctcggaaa 480

ggggtctcaaa ggagtgggta ctgtctatcg gccgcactat aggttctctgg ctacgtttat 540
 tccacgtctg gagtatacac ccagcgcagt cgaagtttgc agagcagctt gctgagaaca 600
 cgggttatgcg ggatctgaag ttttctatta attacgacag tcttgtgagc atgattgatg 660
 cataccctga tatcctcggg gatagtcata ccaggtctgt ctttcaaaga gttaggggatg 720
 ctgccgctgc tgagctggag gatgcggaca cccaggacgg gaatattgga ccaatacatg 780
 gcgacttttg gtctggaaa 799

<210> 24616
 <211> 447
 <212> DNA
 <213> Aspergillus nidulans

<400> 24616
 atggcccctg cccttctgat accgcgtgaa agtgtggaaa agcatcgcca gcatggccat 60
 cgtgatgagg aatctcagtc caacgagaag acttctacga aaggcaagag cgaggggtgta 120
 caggactcta gcgatataga caaccaactc gtccggaaca cgtctgtctt tacttggaag 180
 gacctctgct ataccgtcaa gactccgagt ggtgatcgtc agttgctcga ccatgtctat 240
 ggctgggtga aaccgggcat gctgggcgct cttatggatg gtagtcttta tttgacttga 300
 agccactgct aacaagtcta gggatcatcc ggtgccggaa agacgacact cctcgacgtc 360
 cttgcccac ggaagactgc cggatcaatt cagggatcgg ttctagttga tggtcgtcct 420
 cttcctgtat cgttccaacg ttcagcc 447

<210> 24617
 <211> 1453
 <212> DNA
 <213> Aspergillus nidulans

<400> 24617
 gcagcacgag caacctacta ttgaagaggc acccgacttc gcgagcacca cgcattggaga 60
 tgtcgggtat atgcaagaca atgcgtatcc ctccatcttc gggctcgacg gcgcgagccc 120
 gcaggcttca tcgctggccg ttgcaaaggc aatcgacctg taccttgagt gctgccaccg 180
 ccagccggtc tgggtgtctga acataaaaaga gctgggcaat atcgaatctc accctgaaga 240
 actcatctgt agtatcctgg cactgacaag ccgcttcacc cgagatgccg cgcagggcca 300

gcgctacgcg gacagcgcaa agagcctgat tatgctgcgg attgcgaatg ggacggtgga 360
 gttggctaca atagagagcc tctgtctgct tgcgtactct gcttttatcg gtaagtctct 420
 tatagcagct ctattctgaa aataaaaagg aagaaagaaa aagagaaaaa gagaaggaaa 480
 gaaaactgga gaagaagaaa aaaaggaaaa ggaaacaagg ttgacaggac agacagatgg 540
 caacctccaa ctcggccgct tccacctggg catgggcttc cagctctgcc gggccgccat 600
 gctcgacact gaggccgctg acatgaacca gcaggaccgg cacgcggacg agaagaagcg 660
 tctcttctgg agtctgcaac tctcgaaca atcatacggc cggcaaaccg gcctcctcag 720
 catccccacg tccaaatggc ggccgcccta cttatcctcc tgcgaccctc gagcatccga 780
 caacgacagt atgccacgac cgccccgat ccccgagac accgttggct gcgcatcccc 840
 ggatgacacc gggatctgga gtatgagcat ccacttcggc tgggtgtgga gtaaagtgcg 900
 cgcgtaacgt tcgcactgct cgagcaaccg tgtgacggag ccttggcggc acgaatccat 960
 gtacgcggtg gtgctgtcgg acctcaacga gatcgaaaac agcaccctgt tgtgtcatcg 1020
 ctacgaccac gtgcagttct atcgacggac cgcgaggag cttgcagtga ataagagcta 1080
 ctgggttctt tgggtcaagc tgcagttcat gtaccacgcc atcttgacgg tcctcaacca 1140
 tccgttcttg tatataatgg cctcacagca taaccgaac ctcgcgattc cgaacagttt 1200
 ctggcgtcga tcatctgagc tggctctctt ccatgctacg tggatcgtga ggctcattga 1260
 catggtctct gagaagaatg tccgactcac agacccttc tttgcgcatg tggcgggcat 1320
 cgcggaacg gtgcagcttt actctgtctg cgccgatgac ccgagactaa agtacaagtc 1380
 tcgagcggac ttcgccaat gtagtgactt tttgcgcgga ttacaggct tttcaagggc 1440
 ttgtgaggtg ttg 1453

<210> 24618
 <211> 1404
 <212> DNA
 <213> Aspergillus nidulans

<400> 24618

agcagtcgaa ggcagctatt ccgaggagag actgtgtccg gtgagcttc tggagccgcc 60
 gggtcgcagc aagatggtgc tcagaggttt acagaccagc tgggagaaag acccctttgc 120
 actgctgggg acaaactttg tttttggtgt tatgccgaaa accctagcag cgtgagcatt 180

agtgggcctg ctacttgcgt ttttaacgct atccagaaag caaccaacgg tttgaatgcg 240
 gcgcagctcc ctcccctgct atatcggtgg tggaacgttc gatcacaagg actcaatctg 300
 gagaatgtat ttgttgctgg aatgtttgcc agtcttttca agggctatct tgctccagac 360
 acgcttgcat aagacgtggt taatcgcttc tttgaaagcc acatccggcg tcataaggat 420
 ttcccgtctc ctttcatttc gactttcatg tccctccttg caccagttca cagggggctg 480
 agggaaaagg ggggtgccac catagctatt ttcgacacga gaaaactgag gtcgaagggt 540
 tactctgcca gagagtttgt ccggaacaa aatctcaaga taggaaggat gtataatggt 600
 gcgggcgagt atgcagtatg gggccggatc aacaatgacg ctattatctg cagtttctact 660
 atcgataccc tatcccgcat tgcagatgag catccagata ttaatcgatt cttgcaactt 720
 gatctgatca ctacacatag gcacaacaga aagggttgc acaaagccat gacaaaaaac 780
 gccatgtcct tggacatgga ggctgggtgct acagtgggga agctgctgtc cctcttggtat 840
 gtcccacagg agttctgccg agaaatcagc agaggcatgg cgtactcgtg gagaatcaag 900
 accagataca tgtcctggca gggtttcttt caagggtgtg agcttggtta caggggtgaa 960
 cctgtcatgc ctacgctgct cccccagat gctacacccg actcagtaga gccaatccca 1020
 tttggtggat ttgactcaga tcccggtatg aatatcggtg aatcatctga cgattgggggt 1080
 gataagtctg acgccaccct cgatcttcag tccgatgagg acgaacagga cgaatcttcc 1140
 atggatgaga ctccaccgcc ttcatttagg cacagaagga agacagtccc tcctcgtagt 1200
 gatctcgact cttcgttggc gcaggatccg aattcaaacc ccggaatgt cgtcaataat 1260
 ggtttcgaca gagaaatgga cgatgtcatg gagtctgagt ttactgttga ggaagctgtc 1320
 gacaaaagc aaatggcaat tgatgaattc gccgtggaca aggctcgtgt tatgtctgtg 1380
 ctgcgtggaa attttttagt ctag 1404

<210> 24619
 <211> 962
 <212> DNA
 <213> Aspergillus nidulans

<400> 24619

atggcctcac agccagtcca gaaaaggact ctcaaggggg catttgagga gatcgtagat 60
 cccaccaaga tcggtacctg gaacattgtc tgccgtcttc ctatcgagaa tcacagtatt 120

attcagggca aggctcgtga gcagaattcc aatgcattcg agacacatca acagaaggag 180
 ggtgtgcggt tacggaaggc catcaacgct ttaacacacg ggaaaaacat ctttgtttac 240
 cataacatcc cgccaaatca agttgtgtat tcgttgacgc gatacctgga ggtaagtgct 300
 atcttttcag accgatattg cttttcttac tgacgccgtc gttcctttct gtagaaaaaac 360
 aacgtcctcc gtcaactgct ataccacggg aaaaagaccg tcccagcgac cctccgaaag 420
 gacatgtggg ttccctactt ttccgtccac tttaacgact ctaaggtcgg tcttcgcgca 480
 taccatctcc tccgtgaatt ttccatgcag cgccagctag acccgccacg agaaatgatc 540
 accatcacag aggaatttct gagcaggaaa cggccgcgaa gcccggaaga ggccaaagag 600
 ttcgacgata aatacaacga caaaattggc tggctgatgg agaagaagga ccgggcgcgt 660
 gctgtcatgg accaaaaggc taccagcgtc gccgatattt cggccgtttt ggctatccaa 720
 gaacaggaaa tcaaggatgg gtttgccgat ggtaaaaggg gttacttgag tcgtaccgcg 780
 agaagacgtc gccgggaagc tcgcaagaag gaagaggcga aacgaattga gcatgctgag 840
 cgcattgccc agttcgaatc caccctgagc acgaaccatg tcacgtacaa tatccaagag 900
 gccgcagact cgactgaagg cgccacaggc ccattccctg gtgacgccgt gaaaatacct 960
 ct 962

<210> 24620
 <211> 249
 <212> DNA
 <213> Aspergillus nidulans

<400> 24620

cctcaagctc tgccgaacaa caacgatccg gatacccaag gccggacgcc gaccttcggc 60
 gaaagagcaa gggctgcagc cgcttgggac ccgtccgcag agggagaaga tgtcgattgg 120
 tactcggaat atattgctcg taatggacca atatcactca gctgggtcca gcagccgttc 180
 acaaggacac agagtgggtgg aaaatcttac atcgaggtga aagggatggg acttttgcag 240
 gactggagc 249

<210> 24621
 <211> 353
 <212> DNA
 <213> Aspergillus nidulans

<400> 24621
 attgccgtaa tactactaaa cggaggcaca ctccaagagc agaaacttga tccgtacctc 60
 tcccgtatga acgccgaaca attcacacct gtcgaacgca cagatcattt actccaacgg 120
 ctctgcaaag aaggctactt agtcaagaac cgggagatgg acggtggaga tgaaatcatt 180
 gagtatatgg ttgggccgcg gggaaagggt gaagtcgggtg cgagaggcgt agctgggccc 240
 ctgagggaag tcaacgggtcc ccaggctatg attgaagatg acgatatcac tcccgccgag 300
 agggagaggt tagaggaatt cgagattcgg ttggcaaata gtcttgggtt tag 353

<210> 24622
 <211> 872
 <212> DNA
 <213> Aspergillus nidulans

<400> 24622
 ataggccctg gggagtggga tgaagggctc ggggtacctc tatgtgttgt ctgccaaggg 60
 gtacgtcatt cacagaacct aatgtcgggc cattgctaac gcgcgcagac cgacaaaatg 120
 gagaaactgg agcgggatca cggctggagc gaagacgaat ttgattttat ccaccaattc 180
 atgaggacgt tgctggtaaa acgtacagaa acccaacgat ggaatttgat ctattctaac 240
 ccaactgtaga tggcgcgctc ctgatataca ccaagccctt tcatgcaaac aaccttcaca 300
 gcgtactgca ttccctctctc ggtatacatt ctctcctaaa gaagttatct ctcaaagcca 360
 atttcatcga gcgtgacaag attctgatac cgacgaactg ggattcatgg gcgaaaatcc 420
 gagtcatccg agaagggctc aacttggagg gtatttcgac agcttgggtc atcgagattc 480
 aggatccgcc tgagccactc agtgacagga atgatgaggc ccaggacgat gggtcttctg 540
 aagaagacga tgggaccagt gccgtaaaga tatacgagca gacgatcaag gatcccaagc 600
 ggaacacctc actgtcatac ccaggaagcc aacagagtgg gaacaagatt gaggtcgaga 660
 cattagatat gcaaggtttc ctcaccaaac agctggaggt cttggagcag ctgaagattg 720
 aggatgagaa agaccgcgca gccagaaga cccctcagtt ggagatgtcc ccgttagagg 780
 ataacagccg ggtcaacgag catataggcc ctgtacagtt caacatgggc ggtattcaag 840
 ttgacgccga tgacatgctc cagaagctga ag 872

<210> 24623
 <211> 367
 <212> DNA
 <213> Aspergillus nidulans

<400> 24623

```
tgtgttcaag ttcgtgctct cccgaacaga attccgtcgc caactgaagg taatggatga 60
cttcataaaa ccctacattg accgtgtcct cgccatgtcg cccgccgaac tagaccaaaa 120
actctccaaa agcgacacct tcttccacgc attggctcgc ttcactcgtg accgccgcac 180
tcttcgcgac caactcgttg ccctcctcct tgccggccgc gacacaacag ctgccactct 240
atcattctgt ctctttgaat tagccccgaa cccagaggtc accgccaaac tccgcgaaga 300
gatcgcatcg cgcttgggcc tgggcgtctc gcccaaaagc cctcttacac ggacctcaag 360
gaaatga 367
```

<210> 24624
 <211> 564
 <212> DNA
 <213> Aspergillus nidulans

<400> 24624

```
gttcttctct ccggcgacag acacgagttt gccgctacgc gattccctac agttcctgaa 60
tatgaccac tcgtcgactc cgaatctcaa tcgccccgta tccagaacca agaagtcctc 120
gaatccggcg aggatcttgt tgaattctgc accggcccat tgagcatgtt ttacgttccc 180
gtacgcacat actaccagtc tggccccggac gacgttccca ttaagtacct tcccgatggg 240
aacacgaagt ttggcctcgt ggagatagaa gatggtgttg tggatggtgt gccaaactct 300
gtccttacat attcactcta tatcgatgag aacatggttt ggaagtacag gctaagtgtg 360
ccattggctc tgacttcgga agctgaagag cctgctgcgt cggcagatgc ggcagcggga 420
acttcagctg cgggtgcatt gcttccccct ggggaagttt tgggtgacaa gacggtcgat 480
gggtgggtgg atgtcattgc taagagagtg tttgggtggg atgtgatgag agttgagcat 540
gccagtaagg attgggtcgt ttga 564
```

<210> 24625
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 24625

tgtcttctca ctcttcttga ctctcccgtc aacaaagctg gcaagctgca aatctacatt 60

cacactgcc aaggcgtttt aattgaggtc aaccctctcg ttcgcattcc tcgagctttc 120

aagcgcttcg ccggtctcat ggttcagctt ttgcaccgac tctccatccg ttccactaac 180

tcgcaagaga agcttctcaa agtcatcaag aacccaatca ccgaccattt gcctccaaac 240

tgccgcaagg tgacgctcag ttacaaagcc ccggttgtgc gagtcaagga ttacatcgag 300

tctctgggcc ccaaagagag catctgtata tttgttggag ctatggccaa gggccaggat 360

gactttgcgg actcgttcaa ggatgacacc attagtatca gcaactacag tttgagtgcg 420

agcgtcgc at gcagcaagtt ctgtcatgcc gcagaggaag tttgggatat cctatga 477

<210> 24626

<211> 363

<212> DNA

<213> Aspergillus nidulans

<400> 24626

cccctcgccc tgtcggttgg ccactcttc tggtcgggat taagcgatat atatggaaga 60

cggatttgtt ttatcatcgg cacagtaatt gcgctggctt ctacaatcgg ggctgcggcc 120

acggatagct atggcgggta tatggctgca cgcttctttc aggggtttgg ggtcagccccg 180

ggtagcagtg tgggcatggc tgttggtatg tctatcatta tagaacatat ggcttgggag 240

ctgttttggt agcgctaacg aatacctgca gtgaacgac tttttttcga ctatgagcgt 300

ggccagaaac tgggtctatg ggtgctggcc attgattctg gattgcttgt tgggccaatt 360

tgt 363

<210> 24627

<211> 441

<212> DNA

<213> Aspergillus nidulans

<400> 24627

atgaagggga agcacgagct ctttaccctc cttgccggac ctattgctgt cttttctatt 60

acttatgtgt cccagaaca cttgaaggcc gccatgacag ttctggctcc caaagccttc 120

gggtatactg cgcccactcg aagagcgaac cccgactggc acgagcctca cgtccagaat 180

ggtctgaaca aactgagcgt acttgctgca cgcctggata accagttggt cgatgttgac 240
cagacgaagt gggttggaag tattgaaggt ggtatggacg gtctgcgttc tcaactcatt 300
atggcattac agagtatggg atccagtatt acgagcactc tggagggagc tggcaagagt 360
ttgtacttca ctcttgagag caggagaagt gtgcttgaag atgagcagaa gggcaccagc 420
ggtgagaata aggcagagta g 441

<210> 24628
<211> 1265
<212> DNA
<213> Aspergillus nidulans

<400> 24628
gaaacaaacc catctttcgt cctccgcgca gtcaaagacg tcgccttcga ggacagagtt 60
attccccctc taaaagaccc ctgggatgtg cgcgtccaag ttgctcagac agggatatgc 120
ggcagcgatg tgcattattg gcagaggggg aggattggag gtacgccgcc tgctgggcca 180
ttctcaaacc atcagctgag ctgtcgatac ctagcttaca ccggttaatg cagactttat 240
cctcgagtca cctatcgctc tcggccatga gagctccggg atcgtgacgg agattggatc 300
agcgggtcaaa aacctcaaag tcggacaaaa ggttgctatt gaaccagggg ttcctttag 360
acagtacgtc cgattcctgt tcgtccgggg gtttctcacc tgaaaagaaa aaaaataaaa 420
taaaaaaaga aggaaagaag gaaagaacta atgtacatgg tacagttgcg actactgtcg 480
ctcaggatcg tacaacctct gccagacac cgtcttcgcc aaaacgccac cccacgatgg 540
gacgctgcaa aagtactata tcaccaggc agactactgc taccggttgc cctaccacat 600
gggcctcgaa gaaggcgcta tgggtggaacc agtcgcagtg gctgtacaga taaccaaagt 660
gggcaatgtc cggccgaacc agacggtcgt ggtatttggg tcgggcctat cggctctctc 720
tgccaggctg tgtccaaggc gtacgcatgc aagaaggttc ataggggtgg atatcagtca 780
atcaaggctt agactttgca caggcgttcg gcgcagatgg ggtctttctc cctcctccca 840
ggccagaggg cgttgaggag acggcatgga gcgagaaagt ggcggcgctg atcaaggaga 900
agttcgggct gggcgagggc ccggatgtcg tcctggaggc gaccggtgcg cagagctgta 960
tccagaccgg ggtgcatttg gtcaagaaag gaggcacgta tgtgcaggca gggatgggca 1020
aggagaacgt cgtcttcccc atcacgacag cctgcatccg ggacctgacg atccggggct 1080

cgatccggta cagcacgggg tgctaccag ttgccgtgga cttgatcgcc agtggcaaga 1140
 ttgacgtcaa aaagctcatt acgaaccggt tcaggttcga gcaggcggag gaggcctttg 1200
 agttggtgaa gcaggggaag gacagtgtga taaaggttgt tattcagga taccaggaca 1260
 agtag 1265

<210> 24629
 <211> 384
 <212> DNA
 <213> Aspergillus nidulans

<400> 24629

cccatcacag cgccccgccc ccggtccat attacagctc cctgtcttta aaggagtgga 60
 tttcagcatt ctgagacttc ggcgaattaa ttatcttttc atacagactc gcaatccata 120
 atgtccaagc cagcaatcgg tttcgtcggc ctgggagcca tgggcttcgg catggccacc 180
 caccttgta agcagggcta ccaggtccat ggcttcgacg tctttccagc ttccgtggag 240
 cgcttcaatg ccgctggcgg catccctgct tcgtcgctac gtgaatcagc cgagggcaaa 300
 agtactacg tcgtgatggt tgccatcgc ccgcaagcgc agtctgttct cttcgctgag 360
 gacggtatag tgcaacgtat gtga 384

<210> 24630
 <211> 2394
 <212> DNA
 <213> Aspergillus nidulans

<400> 24630

agctagtcac aaggattctc tatcgcttgc gcttcgcgtc cgagcagcgc ccccttgata 60
 actcttctct ggcatacgtc ctgcctctcc tattcacggt cctcgcacag aacggcattg 120
 aagaggaaaa aggcgacgag gagggcgagc aggtgctgct tgctcttgaa atcctgtcct 180
 accactcagg ctcatgttag tctcgtccg atcattagca agactccact aacaggacca 240
 tctagttacc gataaccgtc ttcctcgagt agagattctc ggccagctga tctctccat 300
 gcagaggtat actcagcatt acaagctcat caaagatact ctattcgatg caagcaggtg 360
 tatcgcgccg aatatcaacg aaaacgaagt gaacgttctc ctcaaaggca ccattgtctc 420
 ggacccgtct gtacggtcag cagtcctaca ggccattgac gctgaaattg acttaaccga 480

tatggacttt tccgagcata tctggcttga atgccatgat catgtggagg aaaacgccga 540
gatagccgag agcatttggg aagagaacgg cctggaaatt gatgagactg cgtatggaaa 600
gctcattccc tacctcgact ctctgggattc caatctccga ggagctgccg ctctgtgcaat 660
agcccatgca attgagtcaa accattcagt gtctcggatgat attatctctc agcttcaatc 720
gaaatacgaa ttcgaaatcc ggcccaagga gcccgagaaa gacaagtatg gcatgccgaa 780
gaaggttgac acgacagacc actgggagtc acgcagcggg attgctcttg cctttggggc 840
catgcaaaac cttttcgaag gtgatcaaat cgtctcattc ctccggttct tgattgagag 900
gggaccactt atcgatcgca gcagtgttgt cagagatcag atggccgaca gcggtaaagg 960
tgttattgcc gcacgtggtc aggagaaggt ggaagagctg atgaagctcc tggagacaac 1020
tctagagacc tcagataagg gaagcgagac atccgatctt cttaacgagg ctgtcgtcgt 1080
cctctacggc tccctggccc agcacctcaa gtcggatgat ccacggttgc aaactgtcat 1140
caagagactt cttgccactc ttctactcc ctccgaatcg gttcagtctg ctgtgtccga 1200
ctgtctccca cccctaattc gacttgctgg ggcgcagagc ggcaagtacg cccaggaaaat 1260
gctagaccaa atcctgcaga gcaaggatta cgccaccag cgtggtgcgg cttatgggtt 1320
agctggtatt gttaagggcc ggggaattgt cacactgcgc gagttccggg tcatgccccca 1380
tctgcaagac gctgctgaga acaagaaaga gcctcataaa agactgggtg ctctaattggc 1440
gtatgagctt tttgcaacca ttcttggccg gacatacgag ccgtacgtta ttcaagtggg 1500
tccacagctc ctgactagct tgggcgaccc gaacgcggat gtccgcgagg cttgcctgta 1560
cacggcaaaa gcctgctttt cgaacctcag ctcttatggc gtcaagaaaa ttcttcctac 1620
tctccttgaa ggtctcgacg atacccaatg gcgtacgaga agggggcatg tgatttgcta 1680
ggagccatgg cctaccttga cccgcagcaa ctgcgcgtca gtctgcctga gataatacct 1740
ccactgactg tcgtgttgaa cgacacccat aaagaggtgc gcaatgctgc gaaccgcagt 1800
cttcaacgat tcggagaagt tatcagcaat cctgaaataa aatcgttggg taatgtattg 1860
ctgaaggccc tgagcgatcc caccaaattc acagatgaag ccctcgatgc cttatcaaaa 1920
gtctccttcg tccattatct ggacgcacca tctctggctc ttgttgctcg catccttgag 1980
cgtggtcttg gcgacagatc agcgactaag cggaagtctg cccaaattat tggcagtctg 2040
gctcacctta cggagcgcaa ggaccttacc actcacctgc ctatcatcgt ttctgggctc 2100

aatttgcca tcgttgatcc tgtgcctaca actcgtgcta ctgcatccaa ggccttggt 2160
 tccttaattg agaaactcgg agaagatgcg ctgccggatc tcatcccaa ctttatgtct 2220
 acgctcaagt cagacacagg agccggcgac cgtttgggat ccgctcaggc tctttcggag 2280
 gttctggcgg gtcttggcac aacaagactc gaggagacct tgccaacaat tctacagaat 2340
 gtcagcagct ccaaggccac tatccgcgaa ggttttatga ccctctttat ctac 2394

<210> 24631
 <211> 210
 <212> DNA
 <213> Aspergillus nidulans

<400> 24631
 gacagcttga ctgattacgt tggcccgact atcttcacca ccgaccgct gtatgacacc 60
 tttccgacag gtgtcaccat gggctctggct tggaccagca tgggaggtgc ggctctctac 120
 gcagagtcca tcttgaaaaa tgcacgcaca cacaagtcac aacctgggtct tgacatcacc 180
 ggcaatctgc agaacgtgat gaaggagtga 210

<210> 24632
 <211> 283
 <212> DNA
 <213> Aspergillus nidulans

<400> 24632
 cgccctttgc acccctcttg tgtgtcgacc gtcttcgccc tctacgcgtc caattccacc 60
 ctttcacaaa tccctatttc taaacgcgg aacctcgtct ctcgagtga ctatcgccat 120
 gctctccgct cgtctcgccc gcgctggcct ccgtgcctcc gcccagggtct ccgtccctcg 180
 cactgctgcc gttaacggcc tgcgcaccta tgctaccga gcccaggagg ttaagcctcc 240
 tgtctctctc ttccggcgctg acggcaccta cgctactgct ctg 283

<210> 24633
 <211> 602
 <212> DNA
 <213> Aspergillus nidulans

<400> 24633
 tcgatccaaa aatctacact tcaaatatct ccgcatggcg ctcaatcatt tccaaggaag 60

gcgtgcgcg gattcttcttc ggttggtcgc ctacatttat cggataactca ttccagggag 120
 ccggtaaata tggcttttac gagtatttta agtacttgta tggcgagcgc atgttcccca 180
 acacaaaccg cacggttatg catctggcgc caagtgcctc agccgagttt attgccgata 240
 ttgcactctg cccgttcgaa gcgatcaaag tgcgcatgca gacaacattg ccgccgtacg 300
 cccatagtct gcgagagggg tggagtaaga tcattgcgca agagggcgtc tccggctttt 360
 ataaggggtt ataccgcgc tggcgagggc agattccata tacaatgacc aaattcgcg 420
 cattcgagga gacggtcagc atgatctata agacgctggg agggcccaag gaaagctaca 480
 acagccttca gcagacgggg attagctttg caggaggata tattgcgggc atcttttgtg 540
 cgattgtcag ccattcctgcc gatgtattgg tgtccaagtt gaatgccgat cgaaaaggta 600
 tg 602

<210> 24634
 <211> 859
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24634
 atgaagccct gcgaaccgcg tcgagcagga cggccccgtc ttgaagccag cagcgacggt 60
 gtccactccg acgatcgtcg ggctcagatc cgtcgcgccc agcgcacata tcgactgaaa 120
 aaggaagccg tttttcgaaa tgcgacggct agagccgagc agcttgaaga gagattgcgc 180
 actgccgtcg aagaggtagc gttgctgtcc gaggccgctg tagagacgca gctgcatcat 240
 tctcatcctg agatctatgc gcgtctgagg cgtctcaatg ggattctaata caaggggtggt 300
 gatagtccta ccgatgcgag tctactgag ctatcgccg gctcatccg acatcaagt 360
 ccaatgctca atgcccgaagt ccaatccgcc agacaatccc aactttccct ttcccgtcct 420
 ccttactcc cagccaggca gtacacgtac gcattccagg aaccgcgctt tgcccgtcgg 480
 ttactgcgat actgtctcga acacgcgtat cgtgtctttg cagacccccg gtcggatccg 540
 cgtgagatct accgcatggt ccggctcgtc ccctgcgtaa aagaccgggg aaagaccag 600
 ccgcgctttc ggcagctctt gatgggcggg cacacggatc ctctggaagt gccaggtcta 660
 ccgttctaca atgttggtgg cgcgggttcg catttcccg atctcgacga ggatgggaat 720
 gcgatttacc cggatcaatag taggatgccg aggcgggtgc tgggggtgtt gccgtgggac 780

gagctgggaa agggagatgt agatgctttg gaggttcatg ggctaggtgg ggaatggttc 840
gacagccggg acgtggaag 859

<210> 24635
<211> 864
<212> DNA
<213> Aspergillus nidulans

<400> 24635

cccgaagaa tgtattgaag caccaccct gtacgacgag gaccaatact ggggcgaacc 60
cgtagtatcc gacgaagtcg gcacatacaa cgtttcaaag tactacttca acctcaaccc 120
ggagccattc ggtcttaact actcgatctt ccgcttccca gaaaaggatt atggcgtgga 180
ctacttcaaa cgctccttcc tgggcgtggg tcttggaaca atgctcaaca agctacttcc 240
ccggcaggaa ctattgcagg acgtcattcg gttcagcgac gtctgctacg acgaatgcaa 300
cggcgccga ttggaagcgg aacgactggg gaaaacaccc tcgctttgcg aggctacgtc 360
cgcgttcatg gacaagctcg atcaatgtag tcggtgtaat gagagatacc ccgctgaaga 420
cgaggaagat ccgcaggtca tcccgcctga tttgaaccag tggctaggct actgtgacgg 480
gctgggcaac gatgaggacc agacctctac tcgcgaaccg atcacaacgt ccagcgagag 540
cacatcgagt acacgcacat cagccgtgga tccgaccagt acaggcgggg atggagatga 600
ggactccacc tcggctaccg actcgaccac cctgactggg acatcaagtc ccggtgatga 660
cgaatcaacc cagacagaat cgggctcaga tgccaccaat gaaagctcgg gctcgggaac 720
ttcgggtcca tcacctagtc caacctctgg cagtggcggg agcgacgatg gctcgggagg 780
ctcaagcgca ccgacgccag ggtcaacgcc aggtaccccg actgatgtct cgccgacggg 840
caccagttcg gcctgcacct cggc 864

<210> 24636
<211> 222
<212> DNA
<213> Aspergillus nidulans

<400> 24636

atggatattc accgctgccg cttcgttccg tataaccac aggctatcaa tgcgctcgcg 60
ttttccacc ccccttccat tgggctaggc ggaaaagggtg tccctacact acggctcgca 120

gttggccgtg ccaacggcga tatcgaaata tggaatcctg cgcgtggtgc atggttccag 180
gagacggtcc tgcgtggcgg aaaagaccga agtattgagg gt 222

<210> 24637
<211> 438
<212> DNA
<213> Aspergillus nidulans

<400> 24637
atggaggacc gacagctcgt ttggcagaca cgcacgtggc tgatttcgtc cactctcgaa 60
ttggacgtcg ctagtggaac agggcggaaa tcacgcctcg gcgatgttga tatctcgaag 120
ctgcgaaaat ttcttgatta ccctctatct cttcatagt acatgcggac cgtttctatt 180
attgaatacc atcagatccg aacaagaggg cggcagataa tcgagaactc agcagccgct 240
ccgatcatat atacagagct tccagcaatc atgcggaagc tccagcaatg gtgggaggaa 300
tgggatgagc tacaccatcg taggttctac gtttatattt ttttttcttt gacatctact 360
caccacagca gaaaatgcct ttcatactgg tgcatttcag cgctcgtctt taaagctgat 420
gttaaactat gccaaagt 438

<210> 24638
<211> 785
<212> DNA
<213> Aspergillus nidulans

<400> 24638
atgcagaacc tcaagttcct catcgccgcc gtcagctgcc tcgggcgggc cttgcagctc 60
cgactcctac cagcaacttt atcaacagca acttcaacaa gcgtgcttcc gttgaagatg 120
tacgtttcaa accctctgat agtgtgtata ggtcgttctg accatgttta gtccgccttt 180
ggctatgcca gcctgaacgg cgggtactacc gacggtgccg gcggtaccac aaccaccgtc 240
tcctcttacg ccgagttcac tgccgccgtc caaggcgacg accccaaaat cgtcacgtc 300
agcgggtcca tcgaggagac cgccgaacag gtcgatgtcg gctctaacac ctctatcctt 360
ggtgccgact cttccgccgt cctgaccggt ttcggtctcc gcctcaagga ggctcgagaac 420
gttattatcc gcaacctcgg tatcggaag gtcttgccg acaacggcga cgccatcgg 480
gctggtatgt atcatcgat aatcacgtaa ttcagtcctt gggctgggat agcctcacc 540

gagactgatac taggacaagc atcacagact aatattgctc agaataactcc aacaacatct 600
 ggatcgacca cgctcgacgtc tccagtgacc gtgaccacga caaggactac tacgacggtc 660
 tccttgactt caagcgcggtc tctgactaca tcaccgtctc taactccttt attcacgacc 720
 actggaaggc ttcgctcgtc ggccacagca acagcaacga agacgaggac tctggaaagc 780
 tccac 785

<210> 24639
 <211> 1134
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24639

acnccgttcc tgcgctatct acaagagctc cgcacgtctt ttcgcccgaac tacggatcta 60
 tggacacatc tcacctcgag tgacctgcag actgcgcctt tgcccagcga cgaggctatt 120
 gcggagcaga tcgttgtcca ggacgcgacc tggaggctta ataacacgcc ggacgatgca 180
 tactaccagc agttttcaga gtactttacc aagtacacct tctcgaaccg tgcgtctcac 240
 ttgggatttt tcctttcttg gctaagaggc tgattgatgt ggtagactg gcgagacaat 300
 gatgtccacg gactctacgc ggacgggtct acctcggatg ggactacata cggcgcatgg 360
 ctggtgatga atacaaaggt cagtctcggt ccttcgaacg ggttgaattc aatgctgaca 420
 tttctaggat acctactacg gagtatgtgc attacacccc taacagatcc tagctgacag 480
 agcagggccc gctgcactct gacctcaccg tcgacggtat aatctacaac tacatcgttt 540
 ccaaccacca cggcgaaggc actccgaaca taaccaacgg ctttgaccgc accttcggac 600
 cgcagttcta cctcttcaac ggcggaggat cctcctcact agaggagctc agagacgagg 660
 ctgctctctt agcgagccca agctggaacg ccgacttcta cgactcgatc gccaaacacg 720
 tcattggtta cgctcccttcg tcgcagcgcg gcagcgtaaa aggcacgatc aagctgccc 780
 agaacgcgaa aagtcctatc gccgtcctca ccgtcgacgg ccactacttc caggataact 840
 ctgccgttcc ctggtccac caatactggg ccgacatcga caagaatggc cgcttcagca 900
 tcgaccgctt cggttgcggc aaataccgac taaccgtcta tgcagacggc attttcggcg 960
 acttcacacg cgacgggatc gttgtcaaag cagcgaatc aacatccatc aaggagacat 1020

ggaagcccgga atctgctggc acagagatct ggcgtctcgg taccctccgac aaatcctccg 1080
gcgagttccg ccacgcgcag cgcgcgatcc taccatccc cgccaccgc caga 1134

<210> 24640
<211> 992
<212> DNA
<213> Aspergillus nidulans

<400> 24640

agtcgagtcc cgcagcggat tccatcgatc tcccgcgttt ccgctcgacc ctctcaaagc 60
ttatccccgc catggacgga cgcggcccgt acggcctcgc ctgtcaaaac tgcgccaagg 120
gtaagggtcaa gtgtattgcg atgcccgatg gcgacgggtg tcaaagggtca gtgcgtggcc 180
tgtatttgct ggacagcatg cttacacctg tctagatgcc accgggtcaa gaagccgtgc 240
catccgtctc atggcgtgag gaagcgcgag tcgcagcatt ttcagagtcc tttgatgag 300
gagatggacg ctaagctaga tagtgtactt tctttgttac agtccgtcta cctgcaacct 360
tcatcgccaa atggccaggc tcagcagtat aagcgtaagg ccagtactcc agagctatct 420
tcccctactc aaccagcgcg cacttcggtt tcggagtcga catacatcct cccaccgggg 480
cctctaacat cccctgacat cgtggatgcc gagggggcgc tgaaccggtt tcgcgaacag 540
gtcttacgat tttgtcgtt tctctatctg ccgccgggcc taacggcccc gcagctgcaa 600
caggaacggc cttttctatt tgagacaatt ctgtctgtga tgacgcgtc cgtgcaggag 660
aagatgaatt ggtcaaagag gattaaaagc acaattgctc attctatggt aatggaaaac 720
gaatcaaata tcgacctgct tcttggttg ctggtttacg cgtgctggag ccaagaccac 780
tatcttaaga gaatgccgac tctgacgcgg attgtcgagc tggccgtctc cgttgatcatg 840
gacctgaatc tgaacaagcc gccccgcct gatgcgcaca ggctcaccga gttgggtgga 900
gggaatgatc ccaattggac gaggaaagga cccaagatac ggacggcaga agagaaacgc 960
gcggttctcg gctgtttttt cgtgagctct at 992

<210> 24641
<211> 1050
<212> DNA
<213> Aspergillus nidulans

<400> 24641

cgaagcctcc caatgtcgct cttcggattc acgagtgtag tcggcatcgc ccttggcccc 60
ttcattggca gcgccatcgt ccagatccac aagaacgata cctggcgctg gatcttctac 120
gtgcagatca tctataacgc cgggctcttg cccatcttct ggctaatacct gcgcgagacc 180
cgaccagatg taatcctcaa gcgtcgtgct gctaaaatcc gcaaagaaac cggccgtccc 240
gtctacgccc aagccgatat caacgccccg tctaccctcc gcctcctcca aatctccttc 300
aagagaccga cgaaaatgct gctcactgaa cccgtcgtca ctttcttcac tctttggatt 360
agtttcgcct ggggtattct gtacctcttc tttagcagcg ttgtgcaaac gttcggcgag 420
aactacggct gggatacttt ggcaacgggt ctcgtgcaac tcgccatctc tgtcgggtgcc 480
gtgattggtg ctgtgttcaa cccgtttcag gactggctct atcttcgctc gtcgagtagg 540
aataaggaaa aacctagcaa gcctatcccc gaagcgcgcc tgtatacgtc cataccgggc 600
tcgctccttt ttgccgcagg cctcttcttg tacggctggg cttcacaacc agacgtgcac 660
tggatcgtgc ctacgatggg aattacagca gcagggtcgc ggatttacag tatttacatg 720
gctgttgtga attatcttac tgatgcgtac gagcgatacg cggcctccgc gctgtctgct 780
gcgagtttag gacggaattc ctttggtgca tttctgccgc tggctagtcc acaactgttt 840
agcaaccttg gttttggatg ggcaggcact cttctcggat tcataggggt tgcattgagt 900
gttgccctg tggtagtggg gctcaaaggc cctgctattc gacgcagtag tccgttcattg 960
aggagagta tgtgggatac tgacacggag gagaacgaaa ccgggggatgg cttagacgtg 1020
aaggagggtg atcgggctga ggctgtctga 1050

<210> 24642
<211> 828
<212> DNA
<213> Aspergillus nidulans

<400> 24642

gtgacaactc tgagtacatt aagctcatcc acgacgacac cggacgtagc ctcatgggtc 60
cacgacagga gaactggttc tatcgccagc tgtcatctag caaggaccgt ggcgcaaaat 120
ggcgcgtcat cggcaaccag cttgtcttcg cgacatcca gcagaagaac gaagacggtt 180
ccttgagttt cagcggggac gcgtggacag cctaccgtgc aaaccagaac cgcacgctca 240
agcacatgta cgagaatgaa attcgaata acattaacat tgcgggcatg acgcatgtca 300

actgggtaag tctcgccctg cacctccttg ttgtcgacgc aggcacagat gtttatttga 360
 gtcaaggtct cggatatgat ctgggagggc accaagccct acaacaacgt caccggcgcc 420
 ggagccgttg gcgtcgaatt tgccggcacg gccgtttcgt ccacgggcct gagtaccgtg 480
 tccgtcgccg acgccgagtc gggtgcagag acatacagca tcaatcccga actcaagtgg 540
 gtggaggggt actaccgtgg atatttcgag cttcatttgc gccaggacga agccgaggcg 600
 cgctatttcg gttgtccgac cgttgctggag aggaacagct gggaactccc gcttgctaata 660
 tggaccgtta gccacagtga gagtcatttg cagaggccgt tggcgggagg aagtgtcgag 720
 gcgggctact tcgtcaatgg gaatgttaag cacagcgagc ttgcgggttaa taccgagacg 780
 ggcaagtggg aggcagtggg ctttggaaaag atgtttatta gagactag 828

<210> 24643
 <211> 2442
 <212> DNA
 <213> Aspergillus nidulans

<400> 24643
 atggccacag aggacgaggt ctcttactca caggccttcc aacgcgcact gcctgactcg 60
 gtactgttcg cccagttaga gcttaccaat cgggagtctc aattcagccg gtcgagtatc 120
 gtcaggctgt acaagattgc cgtgacggta cgacgcgatg ttctaggcat tgactctccg 180
 gccgttttgc aaagcctcat catgagcgcc cgtgctggcag accggggtca ggcgccttgg 240
 gctaatagagc atctttatga agcatggacg cgcagtcgca tgcggttggg cccaaccac 300
 cctataacgc acgacctcga gcagcttctt gttgccactt ccgaaggcgc aggtcgagcg 360
 gaccgcacag ctggtttgaa aacagacgca ctccgaggca tggcgttgga cggctggggg 420
 tcgtcagaca tcagtttcgc tcagcgatta caatatcttg accgactggg caaggcctgt 480
 gacaaggaga accaacacga caaagcatac gatgtctcga aacagttcta ccaccagact 540
 atcaaagtct acgggcccga ttcatcgga acgatggctg cggctgagta cctcaccaat 600
 aactttgaca tcgtccccc agatgagctt gcgttagagc tcgcccaggc aaagtacgag 660
 accatggttc gctcaatgga tgccctcgat ccgcgtcgag tagaatattc actctcactg 720
 accaagatgt atgaagaaaa ctctcagccg gcaagagctg aggaggtttt gaccaagttg 780
 tggcagagtt tgtgcggtcc ggataaagag cacaaggcac catgggacca aaagacaaaa 840

<210> 24644
 <211> 3372
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24644

```

gcataaggcg attcaaagag ttcttcacgt caataggaca gactaaccat gaaggcgaga 60
aagccaaaaa attccgcata cttaaggcgt actgcgacac tcaaattact cgcaacacag 120
aagaagcaat ctgctttccg gagatcatcc agacgtggaa cttcgcagac agcagtaata 180
atgaatcatt acttacttct gtgccctcag ttctcgcaat cttcctgaag accgtctcca 240
gcaatctgga ttttcgggaa tttggtatcg ctctgtgcaa gtatttgctg cagaaggacc 300
agctgcggtt tttcaaccgt ggccttactg cgaacaaatc taaagagcat ctgatttctc 360
cttgtcttcg actcctgacg gagatcgtca gtttcgacgg cgggtgctgtc gcccggcagc 420
tctacatcgc gcgtcacatt acttttaagc gcatggacgt gtttctgaca ccgaacaaag 480
cgcagctgga agacaacgcc gatgaccta atgcatctac tctgaggcgg aacgctcagc 540
gatatgttct tgcaaacttg aaatttcaga aactgcca caagaccgat atcatcgagc 600
aacaaaaggt cataagagct tttcttgaac atctaagaaa ggaccgcgat gaaattgtca 660
tcgatatcgt caaagcaatt gaaagagatg taatccaaga tagctccctc tcccgaaca 720
ccaagaccaa attcttcagt cgatggaacc ttgaaagact ggtcacctt tacggttatg 780
accgagaatc cgaacaggaa aacgcgaccg gcttgtctct cgccgatgag gcacataaga 840
tcttgttgac agtctgcacc aagactgagc atggcgtttt gctgcctcaa acaggatggt 900
accctgttaa cagcgatcca gaattgcttc caattgaaga cgatgcttcg attgatttag 960
gacttgattc cgcagtctac gtggataagt accgggaatc ggtacctgtc cgcaatggta 1020
cgctgtctta cctcattcag gtcctccgtc cggaatccga tagtctccag attgcgcttc 1080
tcttagctat tttcaaagca gcgcgggagc taattgctga ttactatacc aagaaagcgc 1140
tctttatggc agatccaaaa cccacacctt cgtggatggc ggaatcaacc gttctcttct 1200
cgacagttag tttaccggtt cctgccatt gtggttgaa ggataagctg cccgccatgc 1260
ctccgcctgt ttcggtggtc atcgagaata ttcttccccg gccacttacg cagaaagtgc 1320
tgacgcgctg tttcaacttg aatactgaga tcgtcactct ttttgagtt agagtctga 1380

```

cgatgtcttt caataaattg cgcgacaccc tgaaaatctt cctgtctgat catggcgccg 1440
gccagcattt gtggacccaa gctgcagaca agttgactgt tgagtttggt cataggtgcc 1500
ctcagatgaa ggacgttgta actttgtttc ggagaacagc taaagatgac ttgcagcagc 1560
tggaggcggg ctccgagcta cttgcttgct tctatgaggt tctgacaaat gcggctctgg 1620
aagagggcctt tgacgtttcc cttgttctcg ttgatatttt aaaacgactg gacgaaggaa 1680
atctcgacgc ggagagcaca gaactcctga taagccaatt acaaaacatt ctcaaaattg 1740
ctcaacaatc tgcatecccta cgctgggtgga accagccagg taatgtccct ggtgtcaagt 1800
tatcatcggt atctctaaca ttataacagg atccatgcaa ttttctgcgt ttacgtccat 1860
cttgagagtc ttaatcaaca cgctcctctga aggttctttc aaagagatcc actcactcct 1920
cgcaaattgtg ctgatagaat actcgggtcat tgcgtcctcc agcttctcgg ctgtcctgtc 1980
tagctttggg tgcgtccgact ccgaatctca acaccagttg gccttcttcg ataattgcgc 2040
ttgccgtgtg accaagaagc cggttcacta tcaagatcta ctcgatctc ttgtccaaac 2100
tcccagagctg ctgagtcctc tagtggtctgc tgttattgag caatggcctt tctactcaa 2160
agctggaaat gatagcgcta agacaaacgt gagcgaattc atcgttagat tgctcagaaa 2220
ccttcatcca gccggggaga gtctacaagg gctgaaagcg gctcgggacg aattagtcaa 2280
cgctacggag gatcggaagc tgaagtcacg cttcagaaag gccttgaaag ggtgtgaaga 2340
ggacgaaaaa gaggatcaga acccagactc tgaaccaaga gaacaaccct cgtcagcccc 2400
gaaaaaagaa tggcaaaaca ttgatttgga agaaattttt ggctctttac cggccgaggg 2460
gactactcat aatgagctat atagatggga ccaaaaagag gtagcggagt cgctggagga 2520
gggtcgaata gcagagcttt tcctatgcct gtgctccgag catgaagagg ttcggagaca 2580
ggcgcttccg aacatttcgc gattcatgat gaagctcaag gtaatatcct cgttgcctgt 2640
atgtctcagc gtcattgagac taatcaacgc ttgcaggaat ccaagtatgc cgaatggcgc 2700
agcgcttaca tcctaactgg agaattcctc gagactgtca aacaaattgg ggttgaatca 2760
cccgtgccgt ggattgtggg agaattgtgt gccagctgtc ttgcaattct tgtggacccg 2820
atgcataaac tctatggaaa gatcaataag ttccttcaga aagctcctgc ttgggaggtg 2880
gaaaaaatac cgtcttattg gattgacaaa atcctgttgc atgagcccga gttggatgac 2940
ggctactttg aggaaaccgc atggctattg gatctgcttg tcaagggact tcgaacggaa 3000

caggtacgcc ctatagccct ccatagattg tcccgtttgt ttaacattta tcaggatatg 3060
gagatatatc gccgggcca cgtttttgag agagtccctgt cgttctacga ttcaccaggt 3120
gctggcttct ctgcaagaa gaaaattttg cacttgggtgt accgctcaac acaggtccag 3180
ggcagtacaa ctttgattac aagagcaggc attattagtt ggatacagag ccaaattcca 3240
tcagtcaccg gcagggatgc gtccaccctt acagctatgg cgcagtcatt acttcaatcg 3300
tcggaccatg atcggaccgt gaagtggagt gaaggcgctg tacaacgagc agttgaacag 3360
attactgcgt ag 3372

<210> 24645
<211> 947
<212> DNA
<213> Aspergillus nidulans
<400> 24645

ccaattcggc atcgtttgtt tgcccacggc attatacctc tccaaggtat tggcgaagct 60
ggccatgggc ttggaccgcc gacctgaact aattgcccat ctcttgagac ttgagggagg 120
cgccgatcaa gacgagagta cagagaaggt tacattagtg gaaaagtctg cgaatgtggt 180
tcgagaagcg ttcacaaagt gcctcacga ccgcagtggt acaccggggg ttcattgaaa 240
gccggagggc aaaagggctc ggatttatct catggctaatt ctgtgcctta agctgctctt 300
tcaggtagta ctgggattct tcgtgttcta tcgatgaata gctgacactg ctatagtgcg 360
gaaaacttag aaacgccgag caaatgttcg caagtatctc tgcgcagtct cccccactga 420
aacacttccc tgcttcccag agggtaacct acctctatta ccttggacga tacctgttct 480
caaacaacct attcttcccc gcacagatcg cactacaatc ggcttacgac cagtgccacc 540
gtcaagcgat aaaccagaaa cgccttattc tcacatactt tatcacatgc aacattataa 600
tgggacgctt cccgtcacta caactgctcc agcgacctga ggagagggg ttagctgata 660
agttccttcc agtttgccaa ctcatcgctc gtggagacta cattgctttc cgagatcacc 720
tcactgtaaa ctctccggca acagaatggc tcgctagaaa aggcacctc ctgccgctgc 780
gaaatcgatg tgagatactt gtgtggcgct cgcttgacag gaaggtcttc atccacggtg 840
gctttcacgg agacccccag ggccaagctc aaagaggtcc ggctccattc ctgtacctaa 900
caaaacttca agctgctgga cgggtggttac aggccaaca tccacaa 947

<210> 24646
 <211> 264
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24646

 cgcttgccag tcctccaccg cccctccacg ctctccagc cctcaccg cgcacaacct 60
 ttctctctga ctactaccca acatctctcc tcgacaacag ccgtcatgga tgccaatggt 120
 aaacaacact acctcgctga ctgcctccg actgtggtcc gtctagaggt gaagcaccac 180
 ttgacaacc tcaaagacaa gaacctacgg aaatacgctc attacatcag ccggtttgtt 240
 cccaatact acaagctgct gtaa 264

<210> 24647
 <211> 1740
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 24647

 ctacgttcga catcccgta tgagtttggc cctgacatga aagaattatt tgtctcgtac 60
 gctctagcga ttgccaagct gcagaagctt ctgaggtga aagaggctgc cacgaagcgc 120
 gaggaataa cggtaacca cgattgtacg gatcctggcc atgtgaactg gaatccgttc 180
 gattttcctg actggatact actcgagatc gatgcaaact ttcaaattag gcaggaccag 240
 gttactgtag ccatggagat gatttcacct tctctgggt ccaattccgt ccttcagatg 300
 aatatgggcc aggggaaaac gtctgtaatt atgccaatgg tagccgcggt tctggctaata 360
 ggtgaggtac tcagcaggct tcttgttcca aaagccctac tatctcaggc agcgcagatc 420
 cttcagtcac gccttggggg tctccttggg cgagatattg tacacgtccc gttttccaga 480
 aggactcgga caaccactc tcttctggaa gactaccgtc aattacatga ggggactttg 540
 ctgagctcag gtataatact aggggtgccg gagcatatct tgcgttcaa actcagtggc 600
 ctccaacgac tcgctgactc gaaactgccg gaagcagggt tgatgatcga cacgcagaaa 660
 tggctggagg aagtttctcg ggatgtgatt gacgaagcgg actttacgct ggctgtaaag 720
 acgcagctca tatacccagg cgcctcgag ctgaggttg atggccatcc taaacgatgg 780
 gaggtcgcca tgactcttct tgggtctctgt gcatgctatc tcaaagatct ctcaaaagaa 840

tacccccgga gcatcgacat tctcgagcgg aactcaaccg ggtttctctgt gacttacata 900
ctacggaaaag acgtggaaca cgctttgggt cacaagattg cgcaggatat atgcaacgaa 960
aagacatctt tgttgccgct ccgggattgc aacaaaatgg acaaagaagc gatcaggctg 1020
ttcattaccg aggaaaaagt cgaaaagtct gtgactaaac gcgttgcaaa actgttccct 1080
gacacccccca aattgcgcaa agttgtttat ctactgagag gtctgctggt acacggggtc 1140
ctcattctgt gcctcaagaa acgctggaac gtcgagtacg gacttcaccc cggtagggac 1200
ccaatcgag tgcccttcca cgctaaggga gtcccatctg agcaggctga atgggggtcat 1260
ccggatgtcg caatcttggt cacttgctc gcattctact acgagggctt gagccagcag 1320
cagcttaaga aaagcctggg agcagttcta aaaagcgatc atccgttcac tgaatatgag 1380
cgttgagcgc aaacctcggc cacgcttcg gaggcgttac gacattgggc tgccatcacg 1440
gtggacgacg caggcttgggt tgcggaaata tggaggcact tgcgctacac gcgcgaggtt 1500
atcaatcatt tctgagcaa ctttgtgttc cctctgcatg ccagacaatt tgccacaaaa 1560
ttgtcagcgt ctgggtggga ttttaattttg agtcgcggct ctcaatatcg ctcgacagat 1620
gggctatggg tccatcctgg tttcaccacc ggcttctccg ggacaaatga caaccgccga 1680
cttctccac tcaccattga gcagtgcgac ctgcctggct tgtcacatac gaatgcagag 1740

<210> 24648
<211> 357
<212> DNA
<213> Aspergillus nidulans

<400> 24648

atgtctatct ctccttacc agccacgttg cgagggctac aggtgatgtc aaaacacttc 60
tacagacggc actctgtcaa cgtttcgctc tacttaaaaa gatcgacagg acaacgccaa 120
gtcgagttca cgtccccgag catcgcgctg gaccttccga ctacggataa taagcggtac 180
aaagatagct acgagctggt tgcgcccatt gaccggaga aatccacgtt caaggtgctc 240
ggcacgaagc tagagttgat gctcgtgaag ggagatggaa cgagctggcc agtgctacga 300
aaggatgata gatggactgg ggaacggatc cagattggta gcgcagcaag ggcttaa 357

<210> 24649
<211> 929
<212> DNA

<213> Aspergillus nidulans

<400> 24649

gtgtatttgc tcctaaccct cgggggccgg agaacaacac tctcttcac acagtacgct 60
tctccgcgtc aataccagac ctccgtcttg acatcgacta ccccgaaacc accacagcca 120
caggtctcaa gcaagccatc cgagctcggc tcccaccaag cttatcctcg catcgtctcc 180
gtctgatcta cgctggctgt ggtctcgaag ataccacccc gctagctgtc tccctcaagt 240
taccacctcc ctcaaatcgg ttctccaagt cattatcggc accagacaaa gatgcagcca 300
gcgaggatac cagtaatcag ggcatactta caaacggga caagggcaag gcacccatcc 360
gtgagccacc acggctctat gttcactgct caattggtga tattgtcttg agcgccgcag 420
acctcgaagc cgaagctgcg gctgtttcaa cgcttcaa at ccagggtcac aactcacacc 480
ggtctagcga tgagaaaacc aaagattctc actctcgcca gcaaagtcac gacggccaag 540
cctcttcttc cagataccc gcgcgcgag gattcgaccg actactatca gccgggttta 600
ctgcggcaga agtcacagcc ctccgatctc agttcatggc tactctatct gtttctcgta 660
ctcgggatac gatgcctact ggggcagaac tacgtgagct tgaggacaga tggttagatg 720
aggggtcatc gacaatggcg acgggcggaa ctgtcgcggg tggagaggga gtttcattca 780
cggatgatga tggcggcttt gggtcgaact caaggggagc gatcgatgat atgctctggg 840
gtgctgtcat ggggttcttc tggcctgttg gttgtgcgat gtggttacgt agggaggaag 900
gcgtctggag ctggcggaag gggttggcg 929

<210> 24650

<211> 396

<212> DNA

<213> Aspergillus nidulans

<400> 24650

gcattgccgc tgggaatggc agctgcaaag gtcattgtag atgagattca cagttctctc 60
tcgcaaccct cgacggatcg caacaattat accctcggtc gacgggctgg ccacaatgta 120
gtggtttgcc ttcttcttg cgtctacggg actacctctg ccgcaacggg gtttgctcag 180
atgctcccca catttccccg tctgcacttt ggattgatgg tcggtatcgg cgggtggagta 240
cctcgtgaag atacagatat ccgtcttggt gacgtggttg tcagcttgcc gagcgaaacc 300

tctggcggcg taatccagta ttatttcggc aagactctcc gtaatggaca attccagcgc 360
atcggatccc ttaataaacc tctcagttt ctttga 396

<210> 24651
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 24651
accacctgtt cgccccataa tttcaacctg gtcaaatccc tcggcgcaac cgcagccttc 60
gactaccact cccaacgtg cgggcgtcaa atccgcgact tctcctctgg aaacctctgg 120
tacgcgctcg actgcattac agacacacgg tcgatggccg tctgctacga agccatcgga 180
ccatccggcg gtcggtacct cagcctcgac ccgttcccca tccggggcca tacacgacgc 240
agtgtcaagc cgaactgggt gctcagtgtg acgatgtaca accagccgat tccgtggaag 300
aggccgttta aacgggatgc gtgtccgcag gacctggagt ttgcgaagag ctggttccag 360
atcgcccaga ggatgattga tgcgggtgag atcaggccgc atacatcgga tgtgaaggct 420
ggcgggtgga atggtatccc ggggggattg gaattattgc agaagggaga ggtttcgggg 480
aggaagcttg tgtatgaggt cgcgagtcac taa 513

<210> 24652
<211> 1007
<212> DNA
<213> Aspergillus nidulans

<400> 24652
atgaaaatcc tcccatcctt gcgcttggcc tacatcatga ctgttctctc cgtcctcaac 60
atctcgaacg ccgccaccac tgcagaatgg aaagcgcgct ctatctacca gacaatgaca 120
gaccgttttg cgcgcaccga tggctcgacc acgcacgcct gcaacacgac cgctggtcta 180
tactgcggcg ggacttggcg cggcactatc aaccatctcg attacatcca agggatgggg 240
tttgacgcgg tgatgatttc gccatcatc gagaatatcg gcggccgcgt gtcctacggt 300
gaggcgtacc atgggtactg gccgctcgat ctgtacagtc taaacgacca tttcggaaacg 360
catcaggatc tgctggattt gagtgccgcc ctccacgagc ggggcatgta tctcatgatg 420
gacacgggta tcaacaacat ggcgtatatg acggatggag atgaccctgc taagaacatc 480

gactattcgg cgttgacccc gttcaacaag agcgagtact accatccgta ttgcaagatc 540
aaggactgga atgactacca tgatgcgagc tgggtgccaag ccgaaaacaa taagggtgcc 600
ctccctgacc tatacactga gcgtaaagac gtgcaggaca ccttgatcag ctgggcgaaa 660
ggtattgtga aaacatactc gattgacggg ctgcgcatcg acgctgccaa acacgtcaac 720
accgggttcc tgaagacatt tagcgactcc gtcatatgta cgtgaccggc gaagtccttc 780
aacgcgaagt cgacatcatc tgcaactaca cggagaacta cattgacagt gtgccaact 840
accaatcta ctattccatg ctggacgcct ttaccaagg gaacactacc tcgctgtacc 900
accaggtcga gaacatgaag aagtcctgtc gcgatgtcac caccctcgta tccttctccg 960
aaaaccatga tgttgcgcgc gtgccgagct tcaatgatga catggcg 1007

<210> 24653
<211> 282
<212> DNA
<213> Aspergillus nidulans

<400> 24653
atgaagcgca cccgctccac acagtcccag acaaaccat tgaaggctgc tgtccagcag 60
acatccgtcc acaacggcca gaacatccag gccgctgaac ggaactacta taattgccac 120
cggcgtctcc ttgagcaact caacaacatc acaccccagg actccgccat gcatgacaag 180
gtcaacgcaa gtctccaaga actcattacc cttggaatta cataccgcca ggccaagcc 240
agccaggccg ttgctcaaat cggcaatgga attcccgtt ga 282

<210> 24654
<211> 524
<212> DNA
<213> Aspergillus nidulans

<400> 24654
gccagtccgc agctagcctc attgatgcag acgtggacga cccgtttttg gcggccggca 60
tgatggggcg cggcgcgag aacaaaggag agcgctttcg tcggcgtcta gtcgagaagc 120
agaaggaaaa agaaatcacc cagatgataa cctccacacg cgctggagga gtcgctggag 180
aatatctgcy agcacagaat aatgagaata cccgcattac agactcgacc cgatccggag 240
cacagcacgg aaggacggac tccagagatc tgaaaccaca acttagctcc ctcgccggcg 300

ataaaccgct cggcataaac ttcagacggg ctgaggcagt ggcctcagc cctaagaagc 360
 gtgcgcatga cggcgatagg ccctatggaa gcggcgtaaa gaaaacacgc tttataacat 420
 ctaaggggat caaagaggct ggcagggaca gcctgggagg cgtctcaaac gccacgcctc 480
 gaacggatga ttatgatgac gatgatgaat tggaaattgt ctga 524

<210> 24655
 <211> 420
 <212> DNA
 <213> Aspergillus nidulans

<400> 24655
 atcccccaa caaacggctg gatagtcgaa ctcggtcacg gtaaagacgc ctcttcattc 60
 aagcctggct accgcatcta catatctggg gataccctga tgttcgacga gctgaaggag 120
 atccccaagc gatacggcga gcataatatt gacttgatgc tgatccatct cggcgggacg 180
 actgtgccgt cgccggcaat gtccccgtta accctgatgg tgaccatgga cgggaagcag 240
 ggggtggagt tgatgcagct ggtaaagccg gatgtaacga ttccgatcca ttacgatgac 300
 tacgatgtct ttgcgagtcg gctgagtgat tttaaagagc aggtcgagaa ggctggactt 360
 gggggcgggg ttgtgtatct ggaccgaggg gaggagtatc ggtttgccgt gagggattag 420

<210> 24656
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 24656
 aacacatatc tgattagcat aaacgtgacg aacaagttga aggagaaatt tttccatgaa 60
 tatgttcccc agctgcttga tgtgagtcac ataaagttaa ttgacgcgaa tcttggctga 120
 cggtaatcag ggactacaag acctgaatga aactagggtg gcacggctga acacgctatg 180
 gtctcttgcg gcgcagcttg agaaatcatc tctagtgaag agctcggatc acatggcgaa 240
 tcttatcaac gaaattcccc gaaaccagcc tcacctgat tccctcatgt tcctgcgga 300
 caacgttaca caaattcagg aaccagccaa cgtcggcttc gagccaagtc cagtatggca 360
 cgatgatgaa gcacttatta cagatgaaac agccaag 397

<210> 24657

<211> 953
 <212> DNA
 <213> Aspergillus nidulans

<400> 24657

```

atgacgacct cctatgcac agccccatcg tcaactacct catccatcct tgacctcgat   60
gtcgacgtca gcctcggtgt ttcaagggtcg agtccccctcg gtgcagcggg cgtctggcgc  120
gaacgccgtg ctttcgccta ctacttccac catgcagcgc cctatctggc cggcggactg  180
gaccagtcct tctggacagt gacagtgcc a cggatctgtc gtgctgagac tgcggtttgg  240
gacgcagtga atgcgataag tacattgttc gagtttccgg agatgtgtct agactttgtc  300
tttttgccgc atgaaaagac ccaatctagc ctttaataata agcaaatcga ggcgttgagt  360
tggtactcac ggctccttatc caagatccag agcgggattg agaggggcaa cctcagtgtc  420
caagttgcgc tggtcagctg cgtgctgttc atctgtattg agatggtgca gggacatgtt  480
gaagaagctc tggggctcta cgggcaagggt gtccggctga tccatggtct gcgggctaga  540
gctagatatg cacctcagac tgcaagtgat gttgacttta gggagactat aattgtcccc  600
ctcttcctcc gtttaggaac tgcggcgctg gggatctcgg gcgttccggc ctgcgacctg  660
ctcagcgggc ttgacacgca gcagaagtac ctatttagct cactggagga cgcaagagac  720
gcaatcattc cgctggccgc agaggtgcag atgttctgga gagacacagg ccgcaacccg  780
tttatccccg gtcttggtgg agaaccagcc ataccctctt ctacagagac cgaagcggcc  840
gtcgcccag cccaacgaga ccgtcttcag gcacgtctgg acgcctggtt ccgggcctat  900
acggctctga agacgctccc gcggttcacc agagctcacc aacctgccgc aaa          953

```

<210> 24658
 <211> 868
 <212> DNA
 <213> Aspergillus nidulans

<400> 24658

```

cgtccgcac gacatttcaa ttgacctt ctccggccgc aacctatcct actgcttcgt   60
ggacctgtcg acgaaagagc tcgctgagcg cgcaatggct gaactcgacg gaggcgatct  120
tctcggggca ccggtcagaa tcaagcctgg tgttgtgaag agcgcgagtg agcgccagcc  180
gcagcaacga actggaatgg gtgcgggcac cggcagtatt ggcgatggga tgagctcagg  240

```

gtcgccgcgc gcgaataggg cagggtcatc gccgttaaata gcagaccggt ggccaaggga 300
cgacaacttg acgtccgctt ctactacacc caaaaagtta ggcaacatga gcacatacaa 360
tcccaaagcc gaccccagca aacgcctcta tgtcggaggc ctccccagac taacggaccc 420
agatgccata tccagcaaca tcacgcaatt tttcaagggt tataacctgt acgttgtctc 480
ttcccttccc tccagcggcc actctttcaa catgatgtaa aacatagcaa aggaatgtta 540
acacatggtc aggacgaaca tttccaaact attcacccea caccggcgga agcgtttcga 600
accagggtgac cactactacc tcttcgtgga ctttgagaca gtcgaagaga cgcagaatgc 660
catggccgcc ctgaatggcg ctgagggggc atggggcgct gccatccgcg tccagagggc 720
gaggggtgag acgtggaaaa aactgactc gaacaatacc tcagaggaga ggagacccgc 780
tgctggacga tggggctcta ccacggcgcg acaggatgtg gcgtctaccc ctgctccggc 840
gagtggtgaa gccgccgttc aagcgtga 868

<210> 24659
<211> 858
<212> DNA
<213> Aspergillus nidulans

<400> 24659
atgccttacg gcgactacga gtacgatact gaccgcgcac agcgtgagag gtctcgatcc 60
cctcgtcgtc gatctcgcag tctcgcagc agccgccgtt cgtattcgcc gcgcagtcga 120
tctcgcagtc gcgaccgcga cgattaccgc cgtagcgatc gccgttctcg ctctcctatg 180
agtgtcgtc aaggcccatc aggaggtcat tcaggctcgg gatacagtgg acgcggtggt 240
agttacccgc ctccaccag gtcatttgag gatcgagcag tcgccaaaga acaaatgatg 300
caatctgtgc gcgaatcgtc ccaacaagac cgtcgggtct atgttggaac cctttcctac 360
gatgtcaagt ggcatcatct aaaagatttt tatgagacag ggtgagcagg gtcatatcgt 420
gctggcaggg catttagtgt tttatgggat tggaatctgt ggctgacttt ggggggtttt 480
tccgcgccat ttttacagct ggagatgtca tcttcgccga cgtcttgctt cttcctaata 540
gaatgtcgaa ggtgggcgcc aatgcgtagc gtgactgggt cttcctttct ttcatttggt 600
tctgggtttt tttcaccccc gttggttcga tttgcttgga ctgtttgggt tgacgggttg 660
ggcctggctg tccgggatca ttgtaggat gcgggtgagt tatgcaccgt gactatatcc 720

gggtgtcgca agctgaccat gcacaggatt gtggaatacg ctacaaggga gcaagcgcaa 780
aatgccgtca acacgctcag caaccagaat ctcatgaacc gcctcgttta cgtccgcgag 840
gtaattgccc cttttcca 858

<210> 24660
<211> 450
<212> DNA
<213> Aspergillus nidulans

<400> 24660
ctaaagtacg gacaggaatt ttccgtaaatt actgagcagg gcacaatcta cgaccagat 60
ctcgaagata atcttccgaa aaagctgtcc gatctgggta tcacaacttc agctttcttg 120
acggttatcg acgaagatga gcaaccaaga gttaacctcc agcttatcgt agtcgcacct 180
ggatcaccac cgtcagagga acaaccatc gtgcttaaca gaatacctga gatccacagg 240
aaacctcaag ccctgcacc gtatgatgct gaagcgaatg ggacgtcaaa tctagggaaa 300
cgcaagcgcg atgctaataa aaccgagctc aacggcgatc ctcccactaa gcgagtggcg 360
aacgtttcaa tctcggatgg tgccgataaa gcacatccca ttgatctgtc tgaggccgaa 420
gggggcgcta ttctgatcga tgatgactga 450

<210> 24661
<211> 723
<212> DNA
<213> Aspergillus nidulans

<400> 24661
atacaggcca aaatatgcca aaacgaactg aatcctaact gtacgcctct ccatccgcat 60
gcatatgaca agctaatagt tacagtggca tatatgtatc tcggccttgc cgtccgtacc 120
tgtctagcag caggcttcaa tcgtaacgtc cgacacacca gcgaccgcg tgcagaatgg 180
atctcccga cttggtgggg tctctactcc ctgagatgt atctgtccct taacctctag 240
ccacagtatt aatatcttcc cttctaactt aaaacagaga aatgtccttc tcgctcggcc 300
gtcccgaac cctcggccta gacgattacc ataaccgcc cctcccacca cgagacaata 360
cacagtatgc catcatcccg tggatgggtg actttgcgcg cataacgcgc aaggtctccg 420
tgagatttta tcaccgacaa ctaacgttag aggagaaatt ggccactgcg ttggcgattg 480

agaatgagct ggactgctgg attcgaaatt tgccggaatg gattcggcca gggttcatca 540
aggctgactc tagagctggg agtgggactg gaattatggc agttgataga ggagaaggtg 600
gggagggcgc cgcaggatca agtgaggacg ggacgaagac tgggatagca attggtggtg 660
cagggaggaa tgatctaaaa gatccgaagt gggcacggag gcagaggctt gttctagggg 720
tcc 723

<210> 24662
<211> 1424
<212> DNA
<213> *Aspergillus nidulans*
<400> 24662

ctctgaatcg tataaaccat ctgattaatg atctcttcta tcatccatgt gccaaagtcg 60
tccatttcgc gcctagagct gtagcccaa ttccatcgag tactgcaccg tccgacttcg 120
attaccgggt cgataccatc gagacgctac cgtggcggtc gcctaccgaa cggacggtcg 180
cgttcgcgcc gttgaggctg gagaaagtat acggattgac ggtgttcttg aaatgcggca 240
gcgtcgttca cgccattctg aagaactcac agtggttggtg tgtggaccgg gaatccacct 300
ttgttttgcg catccgcccc ctacataact accgaatcga gcttccgaat gagacagacc 360
cggacaaaaga gcttgtcact cagatgaagg acgcgctgtc aaaaatcctc cgctatgaag 420
tcacaccatg tccgttcaaa cgcggttcta ctgtggagat accagaagag gcgaaggctc 480
ctagacggaa gagggcatgg cgcccgaaag gacaaagga gagtgctctc atgcagccgg 540
ctcactctca ggagaccttc actatatcag aggccacaac tcccgattcg cttagcgcag 600
ctgaagacgt taatattgct gccactgata attcgggctt caccgccggag gcaagcacga 660
cggaatcaga aactccagat aatcgggagc agctgccgga gcctattaat atcccagtct 720
ccacagaaat gccgcggaga tcagtatctg agacacaaca gagcttccag accttgctgg 780
tgaggtttga agacactgaa tctcatgata gcccggaaca gacactttcc tcgagcattg 840
aatctttcca ctccatcgat gtcacgccgg agccatccct gacacctcca tctccgcct 900
caccggacga cacacatcgg atgtggtacg ggcacgcga ggtacaacc ttgggagagg 960
atttcgcgta tgcagagact ttgcacgcca gagaccagat gtatacgccg caaaatttat 1020
atcctgagca agatctcaaa ttacggcgga caccgggttc tttctcaagc attcacagcg 1080

cgacgtccgc atcttcaa at ccagatctaa gtagcatgag catcgaattt cgccgccgct 1140
 caaaagcatc ttgcgagcgg gaaaccgggc ctgtgcgtcc accatccacc ctaatcttgt 1200
 ccagaccgga gaaacatgag gcagcttccc tcattcagaa gacctgcaca ctagttctag 1260
 tccccccct atcgctactc atagtcttaa tacacatcgc cgcacggatc gttataggctc 1320
 cagcgctgga ttcacctgcc ggagagtctc atcgaaagct tgaacggcag acttctcggc 1380
 ctcatgaggc tgtggatgat ttcgacctc cacttgcacc agac 1424

<210> 24663
 <211> 378
 <212> DNA
 <213> Aspergillus nidulans

<400> 24663
 atgcatgtct cggtaggcat tcctgtccaa ccaggtgtaa tcagggaat ggtcgagtcc 60
 ttcaaggcgc tcgtattgaa agtaacaatc gctgaaatgg atgtccacac gctcaacacc 120
 acgtccaaa ccgaaatcta cagcactatt gtctttgagg ctctcgattc aggaattacc 180
 gacatcagtt tctgggggtt taccgacaag cagccttata cttgggtaaa gggtgcaaag 240
 cccttgatgt tcgacgagta ttacaatcct aagggtgcgt tctacgctat ccactctgct 300
 ttaacaagct tcaaagatgt ggtacctggc aatcaaagct gtgcatatgc gtcgcctggg 360
 tctctgaaga agcaatag 378

<210> 24664
 <211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 24664
 gcctgtgtcg cctgtggcat cctgtcggca tgtgtataa ctgccagtgg tgaccataga 60
 cgtctgagaa tgcaagcgca acagctggtg ctggcctctg ttttctttga cctggaaggc 120
 cgagttatgg tcacaccaca tgctcttctt cccaccgaa agatagtcga ccgttatatc 180
 ggcaaggtaa gtcgctaagc cttcccagcg atcgctactc gccacaagct tacgaactca 240
 ttatgaagac cttcagcgat gacgacctca ctagaactca tcctgctttt ctatgggcct 300
 tccgggcaag tcggaattgg agtctaataa aagaggttgt cccttatatg agggacagga 360

tagaagtaga ggatgaggcg cacaagcggg atattgcaa gggatatagat ccggatcaag 420
aagccgaagc caatgcaggg ttcgacgaaa tgttcaagcg ccacttttgc gtggcagcgt 480
atgatcttgc tgaccaagtt cgacaaccgc tggatgaatt gggatatgctg tatgacgatg 540
ttttgaccac atcaaccacc tcatcacggt tttcgcgcgc tatggcatac tccaagctac 600
gtactggaag g 611

<210> 24665
<211> 343
<212> DNA
<213> Aspergillus nidulans

<400> 24665
atgtctgccg ccgctcgatt tatecgcccc ttgctctccc gcgcccttgc acagaagctt 60
cctttgagct ccgtccgcag agtctcgccc gcaattgggt tcccgcgggg aacagtccgc 120
agcttttctc agagcacatt ctgtaagaat cgcccacaaa ttgtccctac ggaggcattg 180
gccttagtcg ctgtgatttt ataatgatat tgtactaatc gtctctctct ggtatgtagt 240
gcaagtgaag aagtacacag agtctcacga atggattgag ctcgctgatg acggcaagac 300
tggtgagctc cgaccgaaca ccatcaacct tgcaatattt taa 343

<210> 24666
<211> 447
<212> DNA
<213> Aspergillus nidulans

<400> 24666
ccctaggtcc gcccgggcag tcttaacgag gttcgagagt acgtacactg aagccgccac 60
tatecttctt gctacatcac tacactatta tatctgcac actttatagc acctagaatt 120
actaacgcct ccctcagcat cgcccgaac gccggtacct tcgtcctccg ctccggcggt 180
gttattcgcg gctacaccaa ctggggcgtc tttcgctcc ccaagaccac aacgaaacac 240
caagcccgtc atacagacgg ccatcacttt atcatcgcat ttgatgctgc cgcgcctgta 300
caaatgggta tccgccgcca gctagcgctc gatccgcgga tgatccgctt ctcgggttgtg 360
aagcttggcg ataagctgga cgaggtcaaa gatgttaccg ggaaggttga gtggaacgac 420
acgagaaatc tgtcgagcac gatctaa 447

<210> 24667
 <211> 1675
 <212> DNA
 <213> Aspergillus nidulans

<400> 24667

```

ctgatttcaa ccagatgtca agtacgcctt ctgctccgaa taggggcctt gtggtctttt 60
ctggaggaag tgctgccaat aaccttgctg aggtctttaa ttctgtcagg gagagcaagg 120
attgccccct tagttatata atcccaatca gtgataatgg aggctcatct tcggagctga 180
tccggatttt tggggggcct ggtatcggcg atgtgaggag tgagtgtctt aagcccgtcg 240
tatctatggt ttcagtggct gatgctgtac aggtagattg gtccgtctaa ttccaccgtc 300
gcccccaac tcagagcgag ctgccattaa aaaattattc aactataggc tcccggcaga 360
cgagtccgct cacagcgaat ggcttgccat cgtggatggg acatcatctc tatggaagtc 420
aatcacaccc gcaaagaaag agcttatcag atcctttttc aacctactta acctagagat 480
cctcaagcgc gcgcggccgc cctcatcgac ctttgacttt tcgtccgcaa gtgtcggcaa 540
tctgttcctc actggtgccc ggctcttcag tgggagtttc gagagcgcaa tctacctcct 600
aggcagcadc tgcgacgtct cctcagatct catccgtgtc atccctgcca tcaactctaa 660
tttctcccat catatttcgg cgtcattggc caacgggacc atcatcgtgg gtcaaaacag 720
catttcgcat cctagtctcc caccacgtcc ggcacgcca cgaccgagga aagcccttca 780
tgctgaagaa aatggaaacg gcgcaaacgc cgaactggca ataacgatcg actacaccga 840
gccgtctgat gtcccttgata cagctctcta cgaagacgat caaccaccag gattcctccc 900
gcacttgccg aacaagaata ttaacttctc taaatccgag aatgaggatc tcccagcccc 960
cattactagg gtgtggtata ttaaccctta cggccaagaa atcaggccgc gcgccaaccc 1020
gcgtgtcctg gaatccctgc gcgatgcaca ggcaataatt tacagcatcg gatcgctata 1080
tacgtcgctc atccctagta taatcctgca gggcgtcggg caagccattg tctcgtctcc 1140
agcacgccac aagattctta tcttgaacgg ttccctagat cgagagaccg gtccctcttc 1200
agatccattc acggctgcgg actttgtcga ggcgattacc cgcgcgggag aggaaagtcg 1260
cggccgagtg acgcttgaac ctccacaatc tccaccgtct acttcaagtt tgggatctac 1320
aactggtccc ggagcattcc cctctttatt cccaaatgga catggatcca gcaagtccgc 1380

```


cctgccctac acctcataca ttacacatgt ccttcacctc gaaggacccg ggacaccaca 1440
tgtggacaaa gaccgcctcg ccgagatggg gattgagacg cttcgtcttt acggacggaa 1500
gattgtagcg tcgactgatg gcgcggaggc tgaagttcct attgggatga ggtatgattc 1560
taatggctta attcaggcgt tagaagttgt gctagggaa aagggggatg ggatgataag 1620
gggatcggtc agtcggagga atacgctgga cccggggaga aagaggggtg cttag 1675

<210> 24668
<211> 825
<212> DNA
<213> Aspergillus nidulans

<400> 24668
atgggtgact ctctatacat ggactggttt ccatactggc tgtccgatct tgcccttgag 60
cacgaggctg ttattgtcag cgccaattac cgcttgatgc ctcaagcaac tggcttggac 120
atctatgacg acataaaaga cttctgggca tggctacagt ctccagttgt ggaagagatt 180
ctagcgacgt acaccacacc caccgaaatc gaccttgac acatcctcgt gacgggagag 240
tcagctggtg gactgctgag catcaattct gccctccagc ttgcgaattc agattttgtc 300
ggatttcccg tgcgcgctgc cattggcatg tacccaactg tagacatgaa ctccacggat 360
tttactgagc ctcgtaacgac ccctcccttt gggcagcatt tcgacgaatc gatcatcagc 420
gcgattctag acaccgctcc agacgggcct atcacttcaa catccggtga ttacctccct 480
ctgatgctgg ccgcgatcga atacgggtac ctgggggatt ggtacgcgcg agactcccat 540
cactctgaaa cactataccc cgttcagcaa ctgaaaaagg gagttcagat cccagagga 600
ggtattacca tcattcaagg gctcaacgat actgtagtgc cgccgcacca ttcagagccc 660
tttatcactc gactagctaa ggtaacggcc ggccagccag ggaacgacaa gattcatctc 720
attaccacg acggtgagca tgggttcgat ggagacttgc ggtacaataa agaggcgtgg 780
ctacaggagg cattgaggcc cgcggtagaa gcgtggctgg actga 825

<210> 24669
<211> 1438
<212> DNA
<213> Aspergillus nidulans

<400> 24669

atgctatggc acgccgataa ctccacctat ggatgggtcc tccaaggcct agcgggtgcc 60
gacaccgtcg caggtccata cgaatttggt tctgcgacgt ccccggtggg caattggagt 120
caagattttg gtttgtttac cgaccgcacg gatggcagat catacgctct ttactccaac 180
ggtgacagtg ttgacggccg agatgtttac ctcacccgat acaacacaaa tattactgcc 240
ctcgaggaag tggtagaat cgttcgggat tacgcagaag tttttttttt ttttttttta 300
ctcttctgac accgtcctag gtctaccgct tccccaaata tgacctagaa gcccacaacca 360
ttatccagac agaccacagc tactgggctt tgatgagcca caagactggc tatcgcccga 420
acagtatgca tgatatccat cctgagaaaa gctgaaagaa actgacacct acagacgtcg 480
ttgccttccg cgccgacgag ctcagcggac catgggtcaca gccattcatt gtggccccgc 540
tcaacactcg cacgttcaac tctcagtcg gattcaccat caggattgac gggacgaagc 600
aaacaacata cctctacctc ggcgaccaat gggattcaaa ttccctctgg gagtcgcggt 660
acatctggct ccctctccag attgatgagc gcaagaagac cctcgagtta gaatggcatg 720
acgtctacga tctgaacgtg tgagtattac ggtcatgaac caggagagaca gttgttaatt 780
ttttaggaaa accggagaat ggcgaagcat caagggaag acatacacag ccagcaaagc 840
aaaaacaaac ggcgatgcct atctgcagga ggctgtacgt ttagagccct cacgataccc 900
ttccatcgag gcataccta tctgaacaca gaactttggc accgacgggg tcatagcaac 960
tggcatttac ggaaatgata gcacaatcac tttcgaaggt atcgaaggca ccggcaagcc 1020
gcagtggggt tctttctact accagagtat gcctcctttt attcactgaa tgcagcccta 1080
cttactaatg tctttctctc cattcagata ctgacgacat gggcttcggc gaccaacgta 1140
tgtaccttcc tactatacta tctaacaatga ccctctgaac ttctctagct aacctctaac 1200
agctggcggc acacctgacc gcacggcggg aagctggcaa ctcagacgca tctcctccgt 1260
ggttgtaaac ggtgacaccg agaacgtaca gactctctac caacgcgaca cccataaggg 1320
catcattctg tcgacgccac tgcagctaac gctgaagaaa gggaaacgca ataccattac 1380
tgttgggggt ctttacaacg gttttgacta caaggagcg gatctggacc gtattggt 1438

<210> 24670
<211> 511
<212> DNA
<213> Aspergillus nidulans

<400> 24670

aaactgggtc ttccgcaaag cctccccacc accatcgata caacaaaccc aagaccttcc 60

cccaccaacc cctccctctt ctctcccagc cacgtctacg acaacctcct ctccagacgg 120

ccttaccac acacgcaccc tccgccagac ggccgtaacg ctcttccgct tctcagcact 180

aacgtttaac ccgcataaaa tccactactc gcagccgtgg tgccggcagg tcgaagggca 240

caaggatata gtcgtgcatg ggccactgaa tctcattgcg attctggact tttggaggga 300

tgtacggagc tctgcttggt gggcggtatg tgatgcaaac acatttttgc ctgacagaat 360

tacataccga gcgacgagcc cgttatatgc ggaggatgag taccggattg tgctgaagaa 420

gggtgagggg gaggacggca agaagagtgc cgtggagatt attacgcctg agggtaatgt 480

tggcatgaag gctaagggtg tgggtgtata g 511

<210> 24671

<211> 432

<212> DNA

<213> Aspergillus nidulans

<400> 24671

tgcttcatcc agccagacgg gacggagagg catctcctct gccagccaga gaggttggaaa 60

attgagctgc caaatggcga agtccaagcc caacggcagc aggtcccgtc gatcctcgca 120

tgggctctgt ccattcacia ggcccaaggc cagacactac aacgagtcaa ggtcgatctt 180

gggaaggtct ttgagaaggg acaagcctac gtggctctga gtcgagccac ctcgaaagcc 240

ggtcttcagg tgctccgatt cgatccgcgc aagggtcatg tccatccgaa ggtcattgaa 300

ttctaccgaa atctggttca tgccagcgac ttgatcaagt cgaaacagcc gcctaagccg 360

cagcgacaaa tatcgaatgg agatgaggat gtttacattg atgagcttat cgcggaagcg 420

gaagcatatt ag 432

<210> 24672

<211> 729

<212> DNA

<213> Aspergillus nidulans

<400> 24672

ggtgaagaag gcaactggcga tttcgagatc gatgaccgtg ctgcgttctc ttggcagcat 60

gatatccgca tctataacca gaccgaagaa ggatttgcga tgagcttatt caacaacgcc 120
aatactccaa ccaacgaggt agccgcgact actgggctga gtttcgatgt tgatatgatt 180
aaccgcaagg tccacactcg tcggattttg aacgacacgg acgatgtgat tcacagcgtc 240
agccagggaa gttatcagct cctcagcgaa gagactcaac acgtactttt gggttatggg 300
tccatcgccc aggtaaaaga gtacgacgcc gacaataaag aggtcctcac tgtcaagttt 360
ggcgaggaca atgcagttgc gtcataccgt ggctacaagt gccaatggaa agccactccc 420
ttctggaagc ccgccctggg cgttcgccgg acggggccag actccatctt tgtctacatg 480
agctggaatg gggcgactga gtatgacaac tgggccgtct actcatcaac gtattccgac 540
gggtccgacc ctaaatttga agccactgtc gaacggaccg gattcgaatc tagcattgaa 600
ctgcacggct tacctagcgg gttccttcaa gtgattgcac gaaagggatga cattccacta 660
ggatcttcgg acgtcgcac cctgcagacg gaggtgggag gcgaggtgga gacagagaca 720
ggcaattag 729

<210> 24673
<211> 763
<212> DNA
<213> Aspergillus nidulans

<400> 24673

gtagcatggg cactagtgtc caggtcctac accggggttg aagatgtgtg tttctcgtat 60
gcaacgtcgg ggcgggatgt tcctcttaaa ggaatcaaca atacgggttg agccttccta 120
aacgcagtgg tctgtcgcac caagctgccg cctactgcaa cagttccgca ggctttgggtg 180
aaagctagga acgacttcgt ggaaagcctc tcacatcagt actacttagc cttggatgat 240
gcgcaatctg gggactttgc ccgtttcaag agcaacacat taatgtcatg ccaacgaaaa 300
gctgcaactg aattagcggg atctgggctt gcttttgagc ttgttgatgc tgccaacccc 360
aatgaagtaa gtagtgatta tatcccttac agtccattcg acgctaacaa gtgcgcaagt 420
atgacatgtc cataaacatc caagtagggc atgagggatt ggaagtaatg attgattact 480
ggaactcacg gattggccag cgcacgggtg agagtgtggc acaatccttc cggcaggcgc 540
tcctgaacat cgtcaaagaa gaagatgccg tgctgggaga gattgatatt agtaccactc 600
aagaaatcaa tcagcttcgt gaatgggcca aggagatccc accaaaggca gactatcgta 660

tccacgacaa agtgtatgaa cagcgactcc gccgacccga tgcttgggct gttcagggct 720
 gggacggcga cttaacatat cagcagctgg acgacccgcc gaa 763

<210> 24674
 <211> 690
 <212> DNA
 <213> Aspergillus nidulans

<400> 24674
 atgattgtcg tccgggggtat taagactcgt gatgccaatg gcaagccgta cctccggcaa 60
 gacatcgaca agtgggtacat ggagcagatg gctggcgaca gaatccagct cactctattt 120
 gtggaagctc tggctctgat tcagagacgt gatttggatg acctgaagtc ttacttccgt 180
 ctggcggcca tccattcggc tccatgggtgc gaatgggacg atgtacctca agctcagcgt 240
 gagccgggcg aacgaggata ttgtgtgcat tcgaactaca cgtttccgac ttggcatcga 300
 gtgtacatga tgctctatga ggttcgacag tcccggcggg tgggtgaaac ggtgaattga 360
 tatgtgactg acacattcat gcagcgaact ctgtatgaag caatgcttga atggattcac 420
 gaggctgtcc cagagagcca taaagatatc tggagaaaag aagccgataa atggcgcctc 480
 ccttactggg actttgctcg ttttgcggtat cgacctccat caacagctgg ccctctccc 540
 catgatattg accatgacca acttagactg cccatccttt gtatgatgcc gaatgtgcgg 600
 attaccttgt ttaccaagga cagcggccct attatcgaat ctcgacccaa tcctttgtat 660
 aaatacataa cccacaact gatgggtgaa 690

<210> 24675
 <211> 258
 <212> DNA
 <213> Aspergillus nidulans

<400> 24675
 ggatgcttac gcaactccgg cggaacagcg acatcggcag ctgtcggggc attgccctt 60
 aaacaaccac gcacaccgcc ggtggtacca agtcttcctc cggcctggta ttcaccttca 120
 ttctcccaga tcacatcaac ggaacttgtg gacgatgaag agatggagct ttgggtggac 180
 accgcatcta gagagaaaac cgaggaggaa gaggaggaag cgcacgatga gatcgacgag 240
 gcatacggat gcgcatag 258

<210> 24676
 <211> 2297
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24676

```

ccgacgataa ggaggctgat cgaagatgat gcagcctggg catacgatct ctactctctc 60
ggcttgggtcc tgatggagat tggccttttg acgccgatca gtcgcctgtg gaagttcaaa 120
tacaacaact ctatgttcaa gcaaaggggt gagagtatgt atctgaggaa gctaggcccc 180
aagtgcggta gtgcatacat tcatgtggtt caattatgtc tcgatgcacc aaatttccac 240
ctttcgaccc agccatttga tgacctcaac ttgagaatac ctcagacctt ccactaccgg 300
gtcttggatc tttcggcacc cgagagcact tttgctttct ccatgaattt cgtttacacc 360
ttgtgtaaaa taacttggtc gtgctgcagg attgacattt tttctgctcc agcagctgaa 420
gagctggacg attgtcttcc tctagcgctt gtccctgggt ccgaagcaga tgctgcaaag 480
caagctgcgc gagaatacaa gggacctgaa caagtaacct gcttctcgca accagtgggt 540
gtggctctta cccctgagac caaattaatg aagatcgggc ttgaagaaaa aaggctgagg 600
aagcgcacat tcaagaaact tacaacggtc gaaattcctc aagaacacct cgatgagtgg 660
aacttccgca tgctgccccaa attgaggaag ctgctgcaga aggtattgaa ggattcgtct 720
gaatcatgcg gtgtcactct catgatgacg ggcgacgggt tggaaaatgc gaagacaaca 780
attgtgtgac ttgtgctagc gttaaaaggt tagggcggcg ctgaaaaagt actttccctc 840
ttgatgacaa agaagactgg gacttgcttg tgcttcgcgg agatattgag cgatccaaag 900
tcccgcgcaa gaagcgccgc cgccctgcaa agactggacc tcttagcact atcgaagccc 960
ctcctcctcc gcaggacctt aaccctgtt ttcagccgag gcctctctgc ggtgcatcca 1020
tgggcgcctt catgaatgaa gaacatctcc ctctgtgtc gtacggtggt gccatcctag 1080
ttgatgggtgt tccctacggt atgacagtac atcacatgct cgaggctccc agcgatcaag 1140
aggatgcgga tgatatacat gaagcttttg aggatgctct gcttcggtcg gccggaaact 1200
ggactcgcga tctggcttcc cagaattcac agctcatgtc agcttggaaat gatgactcct 1260
ctgcacatag tctcgaattt gaagtctccg atgacgagga tggcgacgac tactatgatg 1320
actttgcgct ctctgaagga tattcatctg acgagggcga cgacgacttt gcttacgatg 1380

```

acgatgacag agcgtcgatc ggagacacag ctggcatcga acctggagaa gagcctcccg 1440
 tgtttgtaac ccagcctgcc attgatgacg ttcgcgaaga tttctttcca agccccgagg 1500
 acagagatga cgagcatctc gcttcccaca ctttcggata cgtttatgct tcctcaggcg 1560
 ttcgacgctg gacacgacag ggcatacaagc atgaaatcga ctgggctttg attaagatca 1620
 accaggatcg cttagacgcg aggaatattg tctacgacaa gccgtcctac tctttagtgg 1680
 cctcagcgag acggagaccg ggtgaaccga tgcccctaca acaacggaac cccatcctct 1740
 tgaatgacat agcacggttt gaggagcttg gtggcctcaa tgttactgc tgtggccgaa 1800
 ctacgagggtt gcaaactgga cagatttcga aggcgttgac gatggtgaag ctacatggtc 1860
 ggcacacctt ctccacgagc tttgggggtg atgggaactt cggaggtgag tgagtgttgc 1920
 ttgccagcat tctcgtaac tttctccctt ctcatactaa cctggctctt tagttcccg 1980
 tgattctggc gcttgggtct ttgaaaaatc cactggccgc gtttgtggag ctgtcctggc 2040
 atggtccgag gcacttcgca tcgcctatat cgctccaatg gaggtcctcc ttgaagacat 2100
 cgctcgacc ctacacgga cccatgtcac acttcagat ggcctaacg agtctgtgac 2160
 ctttcctatg cagcaccgt cggttcccc aaatcctaga tacctcggcc cgctccatt 2220
 gccagatcaa cttcatgttg atctcaaccg acaactgcat cttgatgatc agagcggttg 2280
 tgcagtcaac accagtc 2297

<210> 24677
 <211> 628
 <212> DNA
 <213> Aspergillus nidulans

<400> 24677
 ggacaacctg ccgccgtcaa ggtgtttctg gtgcccagc ttggagcgcc ggtctcgcaa 60
 aagacgtttt tcaaggggtga taaggttcaa ttgaagtga acgcgtcagg cactagcttg 120
 attgttctcg ctcagactga agttgataag actggcaaga gttactatgg agagaccact 180
 ctctatctct tgagctctag cggccagttt gattctcggg ttcattctggg tatgtcctca 240
 caatcagctt cttacacagc gatctaaccg tccatcagac agagaaggcc cgattcacga 300
 cgtcagctgg tctcctactt ctaaggaatt cgggtgtcgtg tacggcacta ttccggccaa 360
 gacgaccatt ttcaatgttc gcggtgttcc caaacacagc ttccccctga caccgccaaa 420

caccattttg ttctcgcccc atggtcggtt tgttctcgtc gctggctttg ggaacttagc 480
 tgggtcaaag gacatttacg acatggagaa aaactacaac aagatcacta ctgtggaggc 540
 agctaactcg agtgtatgag catggtcgcc tgacggccag actattctga ctgcgaccac 600
 cagccctcgt ctgcgcggtg acaacggc 628

<210> 24678
 <211> 399
 <212> DNA
 <213> Aspergillus nidulans

<400> 24678
 accatgggaa gagagaactt catccgacaa atcgagaact ctgtcgagtt caaattagtc 60
 gatagagtca taaaagaaga agttacagtt caagatgcag tccaagaaat catcagcatg 120
 acaatgactg cattgtccat tcatgggtccc aagaacaag gcgggatcgg tctcgagac 180
 tacaacgtct ctcttgagc aatggagctg gcccaacgtc tggaaccatc caagcacaca 240
 aagcttggtg ggtttatata tcatctccag aaacaagtgg ccgttgatcc ctcaacgaac 300
 gaaccgctga aggtccaggg tgataccctc tggaccgaca tgccgtcggt cggtatagc 360
 gagcttgaga catggtatga gttcggcggc gactataag 399

<210> 24679
 <211> 489
 <212> DNA
 <213> Aspergillus nidulans

<400> 24679
 gaggatgacg aatccccctca tgtctcaccg aagaccatcg gccctaaca agccacagaa 60
 gtgaacataa gctccccgca ttcctctagc gagaacggat cagaagctgc atcatccccg 120
 ccagagacta catttaccac caactcaagc tccaccgctt tgccggtggc aatagttccg 180
 cgatatcagc ttacaacagc tgacgcatac gcatgcatgg ttcctatagc cgaccaatac 240
 aacgtggccg atcactggca gtggatggca gctctctggc gcggtgccgt ggggcccgat 300
 atcacggttt acatccggga gtgcgacata caagagttga agcaagtcgg aaaccagtt 360
 gagatccgcc tgcaggatgc caaggcgggt gtcgtgcgga gactcgcgaa tgcccctggc 420
 ccaaaggagc tggaggaaaa agttcttaag cgattaggtt tcgaaattga agattacatt 480

<210> 24680
 <211> 296
 <212> DNA
 <213> Aspergillus nidulans

<400> 24680
 catacctcaa gaacccca aaccccgact cgaacgcaga ctcttctgct tcgtcatcag 60
 taggaccgcc gcgtacatcg cccgggctcg ctactggtga tcctagcctc gcccccgctc 120
 ttcttcccca gtccaatatg ggcgtgcagt ccggaacaa cattggcagc ctaccgagcg 180
 gattcatgga gcccaactac gaggtctttg atcctctcaa ttggcttctt gatggcctgg 240
 tggacttgcc gtatccatac tctgtctccg gcatggaggc gcaaggaatt gcatag 296

<210> 24681
 <211> 282
 <212> DNA
 <213> Aspergillus nidulans

<400> 24681
 aacctgcagc ggaactttcc tgccgagtcg cgacaaagct tagtgatcgg aatcttctat 60
 tctggcgctgg ccgcatatt catctcgtac tgcaccgcct ggtgtgtacg agcgacctcg 120
 tctaccacct acgcatggt gggcgcccta aacaagcttc ctcttgcggt cgccggcatt 180
 gtcttcttcg cggcccccggt cactttcggg agtgtatctg ccatcgtgct tgggttcac 240
 agcggccttg tctacacgtg ggcgaaaagc accggtgcgt ga 282

<210> 24682
 <211> 780
 <212> DNA
 <213> Aspergillus nidulans

<400> 24682
 atgcctgagc acctggctga gggtgaccat aagtatgatc ttcagtttgg tggacggcac 60
 tttgagctct accagcactc acatcttggt tatggtctca tggccgctcg cgatgcgggtg 120
 cataaggcta ttgtcgaggc aaagttagcg tctatgcccc cagacgatcg ctcttggtcg 180
 aagcaaccaa tctctaacct ttgcattgga ccgggaatgg aacgtgaagt gaagttgaag 240

tatgaagggtg aacaggcaaa ccacccgctc gcgcttggtg tcacagtcaa aatggttggc 300
cctaaggagg gagctccttc gacagccgct caatgccgcg gactgacgga gaagatcctc 360
aacaaggatg ctgcgtgcac actagctccg tggtccttca atggtgtcca ccagccgtct 420
cttgaaaaga ccttcgctaa agaagatggt tacatctttt cctacttcta cgagcgcacg 480
cagcccttgg gcatgccgga ctctttcaca ctagatgaac tgcacgacct tacaaagact 540
gtatgtgctg gcgagtctgc gtggagtgtc tttgaaggaa tcccagacgc actgaaggaa 600
ctacgtgacc gacctgagtg gtgtttggac ttgaacttcc agcttgggtc ctttcacacg 660
gggtacgaga tgcccttgtc gcgagaggtc aaaattgcga aaaagatcaa aggcaacgag 720
cttggatggt gtcttgggtc caggtaagta tttcagcctc tctttgattt ccattgcact 780

<210> 24683
<211> 591
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 24683

atgactgtac tcaactcagct gcagcactgg catggcctta ctgcatttac tgccccattc 60
tcagatggat ccccgccgc aagccaatgg ccgattcccc cgggccactt cttcgactac 120
gaagtcaagc cagagcccgg ctctgcaggg agctacttct accactccca cgtcgacttt 180
cagagcgtca cggccaaggg tcctctgatt gtcgactcga gcgagccggc tccctaccac 240
tatgacgagg agcggacggt gatgatatcg gattacttca gtgagcccga cgacgaaatc 300
gttgatggac tcgtttctac caacttcaca tggagcggcg agacagaagc gatcctggtc 360
aacggtcaaa gtcgacctgc gacgaatgct accggtgcat gcaagttggc tgcgatctcc 420
gtcgaagcag gaaagacgta tcgctgaga ttcacggcg caacggcact ctcctttggt 480
tcgctagcga ttgagagcca ccatatgcat atcatcgagg cagacggcca ttacacnaag 540
ccactggaga cagacttct gcagatcggc agccggcaga gatacagtgt c 591

<210> 24684
<211> 585
<212> DNA
<213> Aspergillus nidulans
<400> 24684

atgccacccc aaatcaaaca ggatctcaat cggtcaggat gggagaccac cgacttccca 60
 tcagtctgcg aaaactgcct ccctgagaac ccatacgtgc agatgctcaa ggaggattat 120
 ggcgccgaat gcaagatctg caccgcacct ttcaccatct tccgctggaa agccgaccgg 180
 acggccccga ccaagcgcac gaatatttgc cttacctgcg cccggttaaa gaactgctgc 240
 caatgctgca tgctcgattt gtcgttcggt ttaccattg tggtcgcga tgccgcgctg 300
 aagatggtgg cgcccgttcc gcagagctcg atcaaccgtg aatactacgc acagggccac 360
 gagaaagaga ttgaggaagg acggggtgct gtggaggaat acgaaaagac tgatgagaaa 420
 gctcgcgagt tgctgcgaag gctcgccaac agcgaacctt actataggaa gccgaggcag 480
 ctggaggcgc cggaggaaga tggagagacg caaggcccat cagatgctac ggtggtcagg 540
 agccgttatg gtaacggggc agggccggta cgaacaagtg agagc 585

<210> 24685
 <211> 330
 <212> DNA
 <213> Aspergillus nidulans

<400> 24685
 tagccccccc ctccgagttg gttcgtttca ggactcaatc gactcaacca ggcggggccgg 60
 ggtgactttt tcgaagcagt gatgcggtac acggctgtag atacggaaac catgcaaccc 120
 gtcaccact cgcaggctca agccaaccag aagttgaaat tcctctatct tccacgcac 180
 aggtgccacg attgtcccg gaaactgtat acacctggcc ctgctacgac ggtggataat 240
 tttgaggttc atcttcgaaa tcgacaacac aaagaacgtg tcgaagaacg gctcgcgaag 300
 gcagcagcgg ctagcaacgc ggccacataa 330

<210> 24686
 <211> 1635
 <212> DNA
 <213> Aspergillus nidulans

<400> 24686
 acctcatcat gtcgccttca ttgcagacc gcagctcgtt gatccgcaca cttaccccga 60
 ccgcccgtgg cctctgtcta ccctcaccat caaatttaca gaccagtaca tgcgtcgtc 120
 tttctcgtca atacaacaca cgctggacc ggactcgggtg ttattcctag gtgacctctt 180

tgatggcgga aggggaatggt cgacttcccc cagcagcagc ccagaagagc gttgggagaca 240
 atacaacgat gattttttgga agaaggaatt ccatcgcttt gttaaaatct tccttggtcc 300
 gtggagtagc caggagacac agtctacgaa ctcgcgaggt cggagattga tcgccagctt 360
 gccgggcaat cacgaccagg gtttcggctc ggggggtccag ctaccagtcc gcgatcgctt 420
 tcagaacttc tttggcaagg gaaatcgagt ggacgttata gggaaatcata cgttcgtctc 480
 tgtagatact gtttcgttga gtgcgatgga ccaaccagat ccccgctactg gaagtacggg 540
 tgggtggaaac ggagatggcg accggccaaa ccaggagatc tggcaagagc cggaagattt 600
 tctgaatgcc atgaaggtac accgcggtcg cgccgagggc gacgaactgc gtttcatggg 660
 ggaaccaaga aagggtcggc tgttcaagca tgaagtttcc gaagtctcaa agccttcgat 720
 ataccgagaa gatgaccag agattatcgg atttcgggt atccttctgt cgcacgtgcc 780
 gttgtaccgc aagccagcca cgccttgtgg accactcaga gagcgatata ctccctccgc 840
 agatggctta gaagaggacg agcaaaacgc gcttaagatc agtggcggat atcagtatca 900
 gaatgtcttg actaagacaa tctctaacga catagtgtcc aagattgggc ccaacctagt 960
 ccaggtatac tctggcgatg accatgatta ctgcgagatc tcccaccgcg agttcagcgg 1020
 ttcgccgaaa gagatcactg ttaagagtat atcgtgggca atgggggtcc ggaaaccagg 1080
 ctttgtcctg acaagtctct ggaatcctat cgaccctacc accgggacct ccatcgagtc 1140
 ttccagccct ggaagcacca tccaaaacca cctctgcctc ctccccgacc aactttccat 1200
 cttcatctac tacggcgta tcttagcatt cacccttacc gttcttctcg tgcgagccgt 1260
 catcctcgct ctccgccgca ccgaatctac aaccccgaa cctatccttc cgctcaccga 1320
 aaaccccgta atccgcaccc gcagccgagc tgtttcgcat acatcctctt cgagcatccc 1380
 aaacaccgcc ttcatcaaac caggcgggct agctagccgc gcgacgaata attacaatcc 1440
 ccgctattcc ccgccacact cgtataatga ccctcgggc taccacagct ctgactacat 1500
 tggggaaacc gatacatga aatggaagcc gagccacgcg gatcgcgcg gcgcggaag 1560
 tgagacgctt tttggacggg cgtggacaga gttcacccgc tcggtcgaga acgttgctag 1620
 ggttgcgctg gcgtg 1635

<210> 24687
 <211> 877

<212> DNA
 <213> Aspergillus nidulans

<400> 24687

```

atgtacaatg ccctaactgg ccttggaggc tccggccagg tcgatccaac cgtggcagcg   60
aacgcgaccg tagcccttct ctcagcgacc gcaggaaccg ctctattcgt cgtaggaccc  120
atcttcgacc gcgtcggccc caggatctgc ctgctgtttg gaggatggac ataccccctg  180
tacgctggaa gtctcttggtg cttcaaccgg accggaaacg gggcctttgt tatcgctctt  240
ggcgcgattc tcggtattgg cgcttcgttt ctctgggtct cccagggcgc tataatgacc  300
acctacgtcc gtgaatccca gaagggtcgc gccattgccg cgttctggat catcttcaac  360
ctcggtgggc gcgttggtatc gctcgccagc tttgggtca actaccactc gaccagtggg  420
actgtctcag acggaacata tatcgccctg ttgatactca tggccgtggg ctggcttctg  480
ggcatgctca tatgtctctc gtccgccgtg cgccttgaag agcttcagca atcgtcccgg  540
actcagactg ctgtggtcga gactgagaag cccaattgga aaagcactct gcgcctggct  600
gcacgcacga tccttgactg gcgtgttctc tgcattgctc ctctcttctt ctgtgccaat  660
gtcttctact cctatcagca gaacatcgtg aacgggatga ccttcaacat ccgcacgcgc  720
tccctcaaca gcgccctcta ctggctcgcc cagatgctcg gcggccttgt catgggtctc  780
atcctcgaca ttcccgtctt aacggcccgg ccgcgcgcga gcgggatggc tcttctctgc  840
cgtcacgggg ctggccatct ggggcggcgg tacgcgt                                877
  
```

<210> 24688
 <211> 480
 <212> DNA
 <213> Aspergillus nidulans

<400> 24688

```

gacaatacct tgggattctt ttcttcacga aaaaatggtc aagaggaagc tgggggccct   60
ggaaaaggtc gaggtgatt tgtatgtatt actcctcttt acgtttatca cggccgcctg  120
tccccagaa atttcatctg tcgctaata atatatctcc tccgttacag gcccaattta  180
caacataaaa tccgcagaga tccgaagtga gttgtcgcat gaaaagcagc aagactaaac  240
ttgaacgtat cctgaccatt ctttctctc aggtcctata tcgaagattt ccgcgcccag  300
cactatcaat atgaaagtca ccgggaaatt ttcattggcag cgccctcgtc cgccacagac  360
  
```

acaggtctga tctcgctgcg tgaacttata gacttcattg cccatgttgc agactgctat 420
cccgcataa cgaaggattt tggccagcag ctcatcgata tgctgtcgca gcatcaccag 480

<210> 24689
<211> 558
<212> DNA
<213> Aspergillus nidulans

<400> 24689
cgcggccttg ttctaccat ctctacaac ggcaccgcta ttcccgaatc cgccatcggt 60
gcgagctcc tcgccgacgc ccacccagc cacctccttc ccgctgctaa ccccccgaa 120
ggggccatcc agcgtgccca cgtctccttt ttcgtcgaca ccttcacgga caaggtctgg 180
tcgcaggcat tcgcggccca gaaggctgcg agtgaggaag agcgcgccgc cgcaactgag 240
agcattgtcg cggctattga gaagaacaat gtcgaggggt tgctgtacct ggaggggact 300
gggtcaggac cttttttccg cgggtgcggag aagttgacgc aggtcgaggt tctgacggga 360
agcttcctgc tgcgattgct ctcgttgcac aagtatggtc tgctttcccc agagctgccg 420
agccagttgg agaagcgggt accgaagttc tataaatggg cgcaggaggt cgtaagcag 480
gagagtgtca attatatctg ggatgaggag aaggttgga ctcggacagc gaagaagttc 540
ggcgtgcaa aaaaatga 558

<210> 24690
<211> 276
<212> DNA
<213> Aspergillus nidulans

<400> 24690
gactcgtggc gacgcgctcg cgctgagggc cagactgacg aggaaggggg cgacagtag 60
tacatggaca cgcagaacca cttgttctgg acctgggaca caccgacact gatgactcgc 120
aagttcacag agatcgtcga tgtggagaag ctgggagggc tgatggcctg gagcttggga 180
gaagatacat ataactttga gcatctgaag gcgatgcagg aggggtgttg ccagcgcgcc 240
ggtggaactg cgaccctgc gcgcactcgg tgttga 276

<210> 24691
<211> 285

<212> DNA
 <213> Aspergillus nidulans

<400> 24691

```
cccacgtcga acctcgaccc aaccggtcag aacccttcca tggtcgagcc catccacgga 60
tccgccttcg acatcacggg caagggcatt gctaaccctg tcgctacatt ctggactgca 120
gccgagatgc tggagtggct cggcgagaaa gacgccgccg acaagctgat gcagtgtgtt 180
gaaagtgtct gcgaatctgg taccctgacc gcggatctag gcggcacggc caccacgaaa 240
gaagtgacct ccgctgttgt cgaggagatc aaccgtctga attag 285
```

<210> 24692
 <211> 566
 <212> DNA
 <213> Aspergillus nidulans

<400> 24692

```
gtaggcactt gctaccgttt cgtcgagaga ctggggtttg catatggccc tctctttcga 60
cgggtttacat gcattctctc agatccaaat gatcgaaaag cctcagctag gctgcgcgac 120
ctcggacgaa cccggtatcc gcttcacccc gccataattg accacctgct ccaagctttc 180
ccaatggcca tagctcaagg gttatcccga cggttccaga tcattgtccc tgcggcaatt 240
ggacatatct atgtgcgacg ggccgacgtt ccagaaagcg aaatgtcgct ggaagcattg 300
atggccgaga ccggcttcgg gacatggatg ggtcatggta tcatgatggc tggcgacggg 360
aatgatgctg tgctgtcct gtcgatgacg gatgttgccg gggtccctgc gtccgggacg 420
ggagacactg ctccataacc gctgggggtc cagattcggg gggctccgga tattgatttc 480
gtagaggcgt ctagcttgct gctacctgct gagccgagcg atgagtatgt gagcatgatg 540
cgggcatgtg atgctttgag taccct 566
```

<210> 24693
 <211> 816
 <212> DNA
 <213> Aspergillus nidulans

<400> 24693

```
atgccaacgg acgacctgaa atcccacgcg acatcaaatt cgcacgactt ttacgccctc 60
ctcgacatct ccccgagcgc atcagaatct gagatacggc gcgcctaccg tcgcacggct 120
```

ctgaagtacc acccgacaa gatcacaac cccacgcaag ccgatatcga ccggttccac 180
 ctctgcaga tcgctaacga tgcctttct gacctgcag tccgggggct gtacaataat 240
 gcaagggagg ctcgggagcg taagaagagg gaggttgagc tgatggatgc ggcgaagagg 300
 aaaatgaggg aggatctgga agctagggag agggctggag ctgctgcttc gggaactgca 360
 gggcagagag gggatgaagag ggcgtggggg gctacggttg atgataatga tgcggaagag 420
 aagctggcga gagagattga gcggattgca gaggatggcc ggcggagacg cagagaggcg 480
 gaggagaagt tacggaaaga agtcgaagag gatgagaaac ggatacaaga ggaagaggaa 540
 gagaagcggc gcgcgcaaga tcgaagctcg aagcgcgtag ataggtcgca tgaagggggc 600
 acaaagtccc ctgagcagga gcgcgcagtg aaagtgcgct gggttaggga gggacggggc 660
 gtgaatctcg gcaaggacag gcttatggca ctgttcgcgc cgtttgggac aattgagagc 720
 gttcttgtgc tcaagatagg cgacagccaa ttgaaggcca caaagaaaag aagaattgtc 780
 gcttttgagg gggttggttt tctccatat gcagtg 816

<210> 24694
 <211> 312
 <212> DNA
 <213> Aspergillus nidulans

<400> 24694
 atgggtgcgc gggatgatcaa aattgaacgg ccgggctggg gcgattttgc ccgtgggtac 60
 gatactcgag taaacggact cgcacgcac ttcgtctgga cgaatcgatc gaaggagagt 120
 ctagcgtag atgtgaagaa ccctgaagat cacgaagttt tgatgcgact tgcagcaaaa 180
 gcagatgtac ttgtgcagaa tctcgcccca ggtgctagtgc ctagattagg cttttcattc 240
 gagacgctga aagaagagca tccgtccctg attgtctgtg atatatccgg atacggacaa 300
 gatggtccgt ac 312

<210> 24695
 <211> 471
 <212> DNA
 <213> Aspergillus nidulans

<400> 24695
 cttttctcct acgatcccct tgactccacc tataccctcg cgccgacagt gggatggact 60

gcgatcgaga tgtccgcagg catcgtctca gcctgcctac ccaccctacg cccggcgttc 120
catttctttt tccggattct aggacttcaa tcgatcatgc cctccctgct ccgcaccggc 180
caatcgcaaa caacaaccac caatatcgta ggcaatgatg tcagtctggg cacatcgaag 240
acagcgcaga ccagtgccgg gcgagcgaac agacgctcct tctaccatct tcctgatgag 300
gacgattcgt tggagtcaga acacggtagt ccgcccttcc gccagagta tgatagtgt 360
cacacgaaaa ttgtagttca agggaaaggc caggaaggcg acttgaccgg agatgaggtg 420
ccattgcaag gaatcagggt tcagcgagaa ttactcagc gcgactcttg a 471

<210> 24696
<211> 770
<212> DNA
<213> Aspergillus nidulans

<400> 24696
cttccgaaac gcaagcaacc ggcaacacaa gcaagaacca aagttctacg ggaagccgaa 60
aggccgtccg agcctcagtt gggccatacc gtgtcagtg ccccggaag tgggcctgca 120
aaggtcctca gtagcccaa gcacaagcac tcgtccagca agtcgctgaa gaaggaaaag 180
aaggaaaaga agctttacag ccggtcgttc aactttgaga aagagaagcc ggaaatgctt 240
caaacactag cttcttcttc ggtcgccagc acaaattctt ttaatgctct taagcgtgtc 300
aaccgagaga cgcagcgtgt gagtgaagat gcagaggtcc tcaacagggt tgagacgtgt 360
aaacaactgc gccgtcagat actccggtac atccaacacg tggagagtga ggaatatctt 420
ggaagtctta tccatgctaa tgaggagttg gtgtccgcac tcatggcatt tgagggtgtg 480
gacaaaagtg tggactacga tagtgatagt gatcaggacg ttcttgaaag cggttgga 540
cccgaccgag aagtcagcga atcctttact gggctatcca ttaaccctcc aaaaccgccc 600
cgtcctactc gaccattgag catttctgta cttcatctt ctacacacag accggaatat 660
gataccgaga gtgagtcgga atttgagcct gatgatgatg acgagaacaa cccttttggg 720
gaccgaaatg ctattataac ccctctggtg gataattttg gccgaactgt 770

<210> 24697
<211> 768
<212> DNA
<213> Aspergillus nidulans

<400> 24697

cctgcgtatg gcaaccctgg cgtcgggtac caggtcttct ggcgacgtct cctcctcgtg 60
ctgataggag ttgcagcagc gatcatcgtc cagatactgc ctcgtccccc atcagcagca 120
cggcacgttt gcagctcgct ttcacgttct cttcgcactc tatcagatca ctacgccctc 180
ctcctctcct gctgggggtcg tgtcggcgac gagggcagag ctattaccga gcctatctgg 240
ctcgaactca ccgagtcact ggtgctgctc gaagggccaa tattcaatct ccgttttgag 300
ttttccagtt ctcgcttcga ctctgagagc ctcggccaag tcaaacaaat ctgccacact 360
atcaacggtc tctcgtctcg actgcttggt gcacggcgt ccctcccaca agcctacaaa 420
gaccgtctct ccaaccacat ggggtatgctc gaccatcgcc gtatcggcga aatcatggct 480
gtgctcggcg tagccgagca gtcacttcgc accggtgacg cgcggccgga gatcctccca 540
acaccactgg tccgacgcgc gctggagcac tggcagacgc agacacttct ggatgagtac 600
gctgtattgg atgcggagat gatccgtgat gagaactacc ggagctactg cgttgcatcg 660
gcggcgtaca tttcgttctt aggcaaaatc gatgagttgg tcttggtggt taagggagtg 720
ctgggggagg ccatttagt gagtcaggag ctggtggatt tagtatag 768

<210> 24698

<211> 396

<212> DNA

<213> *Aspergillus nidulans*

<400> 24698

gaggaatcac ctgttgagcc gaatcgaaag tctacgtgt cgttcgatag tggatccgat 60
gaccctaaca attcacgtca cagccttctc gatgagaatg caagtgttgc tgcaacagat 120
ggcggctctt tcaatgagcg tctgagcgtt ctcgtggctg aagaagggga ggaagaagac 180
gatggattgg cagaattttt agctggtaac aacttcgtca actggatgaa aggctcactg 240
atcggcgagg gttccttttg cagtgtgttt ttggcacttc actcgattac tggtgagctt 300
atggctgtca aacaagtcga gatcccatca gcaaccaagg gcaccgaatt tgacaagcgc 360
aagaacagca tgggtgcaagc gttgaaacac gagata 396

<210> 24699

<211> 507

<212> DNA
 <213> Aspergillus nidulans

<400> 24699

gcaattatat gggccctacc aaacgcccga aatactcgag cttcgattgc tgccagcttg 60
 ctcattgggat gtggatcgct cattctgtgt gttttgtcat acatggagca tttccgcaac 120
 gttcggccgt cactcttgct cgagctctat ttgttggtca ccctactctt cgatgtcaca 180
 aggacgagga ctctctggct acgcgatgat aatgactaca acaagctcat ggcagtcatt 240
 gccagctttg ccgtcgtgt caaggttggt cttgttggtgc tcgaaggctg gcagaagaga 300
 gctatcctga aagacaagta ccgagcctac cctccagagg cgctcgcggg actcgccaac 360
 cgtgtgcttt tctggtggct taacccccct ttcttcaagg gatatttcaa gtccttctga 420
 gtggaggatc tgtatcccct cgataaaaga ctcgagtcag cacgattgcg tgagttactc 480
 gacagacgat gggccaaagg tacttga 507

<210> 24700
 <211> 1329
 <212> DNA
 <213> Aspergillus nidulans

<400> 24700

ataaggacat gaagaaacac aagaccgcct cgtctgagca tgaatactgc aacaaatgcg 60
 acatcgagtt tgagatggaa gaacacctcc tcctccacaa gatcaagagc aacaaacaca 120
 tcgtctgtcc aatatgtggt attgactttg acagcgaagg cggccgtgac cgatcatatac 180
 gtcaggtgaa tgtttttccc ctttcatgtt aactgatgcc gatagggtc atcgtggtgt 240
 tagttccacc gctcagcaca aaacctcacc tgcttcggat gcaaagctac ataccgcagc 300
 gcttctggac tcatgcatca tatcgaaaac ggcaatgacg tcaagatccg ttcacatcgt 360
 ctcttgtcg aacagcagaa gaagctgatg cgcaaggagg ctctggagtt cttaatagcc 420
 ccagctgtcc cttcgctcgt cgacatggat gaagatgacg acggcggctt agaaaaagaa 480
 taaaaatata ctagctgaat gcgtccagct cccaatggcc cgcagcgacc ttaaccgcga 540
 ggcgataccc aaccaaccgg acaggataac agcgaacacg aacgggcttg tcgaccgtca 600
 ctggccaaga ctgacagaaa cgggactgga gaataggatg agcgatctca tggacgtctc 660
 cccccact ggcaacggaa aggagaatga gagtaataaa gggaacatgc cggctggatg 720

agtaaaggac gcaccatact tttccagagt tgccagcatc gaaagcatct gcatctgtat 780
 ctgcagctgg agctggggct gaatcgaaat ttaagtccgg aaccctagcc gcctgtgctc 840
 ttggttctcc cctgttcggt gggatttcta atgctggagt cgagcttgcg aggatctaca 900
 aggactggaa cccaggaaac ttcacgcacg tggtcaccgg agaatacgta tgtgcgtgcg 960
 gaaagcgctg tctaaccaag gaggcgtttg agacgcatgt ccttgctgag agccagggag 1020
 cacgcagaat gcagtacgtt cctactcgcc tatgttataa tacctttact aacgttgcg 1080
 ggcaggtgcc ctaattgcct gaagattttc aagtctactg ctgcgatcat cacgcattgg 1140
 gaatccccga gtctaaaatg cgaccagagc gaagctgata tgtacgcgca gattgtggac 1200
 gaggtcagcg gcggactgat ccacattgcc ggctacaatg aggacggaac gataaggat 1260
 gaggctagca acctggaatt gcacaagacc aagacaattg gagtggctct agataggatt 1320
 gactggtga 1329

<210> 24701
 <211> 479
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24701

gcttgcgact agcgggcagc ttaaggagcg ggtacaactt ggggtcgtca agcagaaatt 60
 tctcaaggag atacattccc ttgtcacgat tatgctcggg ccgcctccta gccctgacgc 120
 agagtttgtg tggcagtaca acgacgcgga tggaaaagnn aaggagattc ggcagacgcc 180
 gctggagttt gggcggcagg gtttctcaca gtcaacacgc acaagggctc ccccaagtcg 240
 cttatacagt cttgtcaacg accccaggaa cgaatattat cggctactga ccgtggaaaa 300
 gcttggcaat gttgttgagg gcaagccgct gacctatgtt aatgtcgaaa tgaaggtggg 360
 acagttagt ctataaccct ttgcgtcacg catctagctg acttgttcag gccctcaaaa 420
 aagcggtcac tgccatgctc aaagctggcc acccggtttt cttcgttgcg acgtggtga 479

<210> 24702
 <211> 447
 <212> DNA
 <213> Aspergillus nidulans

<400> 24702

atggtaatc cgcagggttg gggggtcatt acagtttcag aggggtatgg cccggaagaa 60

agggtggagg tcatcgatgt taaatcacag catggtgaag ataagcgctg gaccatgcag 120

aagtgggcgg actattacga gagcactggc gataaagtcg tccgaaatgt catcagcctc 180

gaggtatcac aaagtaaact aggcaggcta atccgccggc cgaagattgt gcgcgatctc 240

gatctccagg atgcggtttg gcctgaggag ttaaaggccg ttgggaactt cctcaaagtg 300

caattctatt gcttgatgtc agtagccgac tgctataccg actttcacat tgattttgga 360

ggttcctctg tctactacca catcctgaag ggcaagaaga caattttttt tataaccccc 420

aaagacaaac atctgaagaa gtatgag 447

<210> 24703

<211> 1200

<212> DNA

<213> *Aspergillus nidulans*

<400> 24703

gacgaagatg caggtgatga cgagtacaac atctctcgcg ctgcttacca ggctctgcag 60

ctgtacgcc agtgcgtaga ggccgacgtc atccagcccc tgcttgcttt tgtagaggag 120

aacatccgaa gcgaagactg gcgccgcagg gacgctgccg tggctgcgtt tggtagcata 180

atggacggtc cggaccccaa ggtcctcgag cccttggtca agcaggcctt gcacgtactg 240

gtagcatga tggaagacag ctccatccag gtccgcgact ccgctgctta cgcgctcggc 300

cgtgtctgcg acttctgctc tgagaccctt gaccctgacg tgcacctca accccttacc 360

tcttgcttt tcaacggcct tgcaagctcc ccgaagattg ccagctcatg ctgctgggag 420

ttgatgaacg tggccgaccg ttttgctggg gatgtcggcg cgcagaccaa cccaatttca 480

aaatacttcg aggagagcgt caagtcgtc cttgccctca cagaaaggta cgtgcctcgg 540

attttcattt cttaagttaa acctaacctc cgtctagatc agacgcagat aatcagcttc 600

ggaccgctgg ctatgaagtc ctcaactctt tcgttaccaa tgctgccaac gacagccttc 660

ccactgttgc tcacctatcc gacgtcgtcc tccagcgtct ggagcgtact attcctatgc 720

agcaacaggt cgtcagcgtc gaggaccgca tcatgctcga ggaaatgcag accggaatca 780

caagcgttgt cctggtaagt acacggaagt ttccttact aattgtttac tgacttgact 840

aggctattgt tcaacgcctc gaggctgaaa tcaagccgca ggccgaccgt attatgcaaa. 900
 tcctgctcca agtcctttct actgttctc cgaagtccag cgtgcctgac gttgtgttcg 960
 ccaactgttg tgccattgct aatgccttgg aggaggagtt tgttaagtac atggagtctt 1020
 ttagcccgtt cctcaacggt gcccttggca accaggaaga gcccggcctt tgcgccatgg 1080
 ccatcgggct ggtcagtgat atctctcgtg cgttgaatga gaaggttttg ccttactgcg 1140
 acactttcat gaaccacctg atgaacaact tgagcgtaag aaacctttct tatattcaat 1200

<210> 24704
 <211> 1211
 <212> DNA
 <213> Aspergillus nidulans

<400> 24704

ggcgcaacca gcagcctcca aattcaccta ttgcacatt ctgcaatcac cgtgcagcag 60
 tcagtgtat tgtggtggga cacagcaccg gtagatacaa cattgctatc tctgcggccc 120
 aagacaacac tgccattggt tgggactatc ggaccggtca tgttttgcg aatttcctcc 180
 tgccggccag cgcgatctcc cttgcccttg acccggttga tagagcattc tatgcggggt 240
 atgaagatgg cagcgttcag tgcctagact tctacaagga acaatccatt cagcatcctc 300
 ttcacaatcc gtcactacag gctactccag cacaggcctc ctctgaagac cgctggctcc 360
 caccttccgc tgacagtggc gcagcacatg cgttgaccct ttcttacgac ggtatgactt 420
 tgctatcagg ccatgagaat ggcaaagtgt actcctggaa tgttgaaga cgaaaatatg 480
 catcaacagt agcggacttc acgcatccgg tcacaaacat tatcatgcta cctcttgaag 540
 gcctatatca acaggcgaca aatttaaaga gagtagcgca tacaataatc aagccgaaat 600
 acgaccatac gcttttagag aacacgcagg ctgcaggtac tgttctgca gactatgagt 660
 ttaacacca tctacttcgc tcctctcgc ctagtgaagc gcctgctgag tcagactggt 720
 tcatggacgc ctttactcac tcttcttttc ccgcatcctt gatagagcaa ggtctaagtg 780
 agctaactgc tatgtcctta cctggatcgg atactgtctc tgccccgtca atgaacgtgg 840
 caatggacgt tgatacccc ggcaaggatt cccaaattgc ctcttggaa aacgaaatcg 900
 ctacgctcaa acagaaagtc tcagtcagcg atgcagctcg gcaatccagc actgacgaaa 960
 tcacgaaact ccgttcaaac cttgccaacc tccacgatca catcaatgaa ctcaaagcga 1020

agcaggagca atcacagcgg gataggatac ggcgacaagc ccgcagagag gagcgggcaa 1080
ctcgtcgacg ggaagcctgg ttcgcggcgg agaagaaagg caagaatgga gacgctgtgc 1140
tgcgtcggat gaaagctgaa gacgagtctg agacgagcgg cagcgacgat cagagcagtg 1200
atgagcaatg a 1211

<210> 24705
<211> 1362
<212> DNA
<213> Aspergillus nidulans

<400> 24705

agttgaacgt gggcaacagg tccacaccgc aagcagagga gctacaaggt cctctttcgc 60
gtgtggtcga agagtctcct gtttcgcgca gtcgctttgg aacgaccctg ggtcgccgtg 120
gggggaagca gaaagatccg agtgtctaca atgagcatga cggcgactc aacacaaacc 180
ccaagagcaa aggggtggcgc cagactgcgt tcgtagaacc atctaatacca agtttgttgg 240
actccccaca gtcgtacaag gagacgggca cactcaatgg caaacggcgg aagaagaaga 300
gcagaggcta ccctgcacaa gtcagtggct gggccaccga agaagcaaca gatatcagaa 360
aatgggcgac ttgattttgc aaagtaacct ctccaaattc gataaaagac gtgtttttaa 420
gagatcagaa atgacgacac aaccgccgat gaagaacgat tggtcagctt caacaggaga 480
gtaccaaagc ctgggaccaa tggaggccgg aacttacact ggtccgagaa cgtcctcgat 540
gacagcctcg aagagagtga taatgaagct acgaaccatg aaccaagtga tgccaagctt 600
agtagtgga caatttcgg acgtgacgca tcgaagctgt caaccgcgg ccgagggtct 660
cggaaaggga gtgctatatt tggacaacca cttattcaa cacagctgaa taccattggg 720
cgcagtcaat tgagcaactc ccgtacgaaa tcaagcagcc cgcttcctac gaaaacgcac 780
gtttcggcat caccagttac cggatttagt gcatctagcg ccacgttacg gcttgctact 840
acaaacagaa gctgtccagc tgtcagccct ctgcagattc tcgaagttga gcagctagca 900
atcggcgaag ttggctctgac tgaggatatg attacggaga atgcgggacg gagtattgcc 960
gaagcggccg ttggcgttct ctcgagcgat gccgctgcac ctactatctt ggcactagtt 1020
ggaaaccatc ggactggagc gagagtcatt tcttctgctc gccatctgcg gaaccgtggc 1080
catcgtgtta ccgtatgcat gctgggggtg gaacaagagg ttgagctgct tgagagctgc 1140

cgtaagcagg ttgacatctt caagaagatt gggggccgct tcctcaagtg ggaagagctt 1200
tcttcgagac tctcaacttc tgaatttgca cctgatttag ttctggacgc tctgctcgga 1260
atacatcttc ctttcaacga cctgcgaact gatgatcaag ccacagcctt tgagatgata 1320
tcctggatta atcgaagcgg acttgacacg ctatctgtgg at 1362

<210> 24706
<211> 703
<212> DNA
<213> Aspergillus nidulans

<400> 24706

ggtgatgggc aactgcctag ctggcgatgg gtgtccattt tctcatgac cctctgcact 60
gattgcgaat ctcaagtgtg acggcaattc ttcggccacg tctgctggca tcgctttcca 120
agtggataat gcgccggatg ccttcctctc tttgcaatct acgcccggat cttctgagca 180
gtgggctggt caactcggtg gtaaataatc aggatatctc tatgggtggc ctggaggcaa 240
aaatgcacca catctgggag gtaaaagaag tggaagtatg acaaacctgt cgcgtcctca 300
ttcacggcca ggaagccgtc accaacaccg agaacttaat ccaacagctc tgtctgtcga 360
cgaccagat gcgtttccta cgcttgctgc agtcaatgcg aagaattcag gaaagaagaa 420
tcacggaagg aagaaccgtg acaataatac aaccagagat aatatgccta cgtctctggc 480
agatgtagta cgcattgtctc cagctccagc ttcaggaggg aagggaaaac cctcctctaa 540
gaacaaccag acaaagggtc gcgaaaacag cgccgccgag cagtcaatac cggcgccaca 600
gcatatccct tggcttgaga cgggttctcg aacaaaccag caatatatca aatacagaac 660
ggaggcgatc cgccacggca cggtgagaaa caagtttcta aga 703

<210> 24707
<211> 240
<212> DNA
<213> Aspergillus nidulans

<400> 24707

ctagtgaaga tactgaaacg catgctcgac gagaccgaat tcctctcaga tcacggaatt 60
cggatcaatgt caaaatacca tgagaagcat ccttactcga tggatgtcaa cgggcagaca 120
ttccgggtta gctatgtccc tggcgactcc gacagcggcc tctttggtgg caacagcaac 180

tggcgtgggc cggtgtgggt gtgcgtcaac tttctgctca tagaatccct cgtcgctttt 240

<210> 24708

<211> 693

<212> DNA

<213> Aspergillus nidulans

<400> 24708

atggctctga aacgcacatt caagctcaac acaggctatg agatacccg cgttggactg 60

ggaacatggg tacgaacaac tacttcatct ttcaggaacc aagcttatga atgtcttatt 120

gtgtatagca atctaaaccg agcgagggtg aggaaccggt aactgcggcg ctgaatattg 180

gctatcgta tategacgct gctgcggtct acggtaatga gcgcgatgtt gggaacggaa 240

ttaaggcatc tggtgtgccg cgtggagaga tattcgtgag ctctacgttg actttggaag 300

aggtttgtgt gttcaactga cgtgctaagc tcacgagcaa attatggaat acccatcatg 360

accctgagaa cgtcgaagct gcagtagatc gatcccttag cgatctccag acggattatc 420

ttgatcttta ccttgtaagt cattcaagtt ctgttgtagc agagtgtaaa cgtcgctaata 480

acctgctggt catatagatc cattggccag tggcttcgc tactcaacca caaccattca 540

gcctgtcgat gagaaaaccg gtttaatcga tgtgatagac gtaccaatta aagatacatg 600

ggctgcgatg gaggcacttg tagctaaagg caaagtgcgg tcaattggag ttagcaactt 660

caaccggcag aggatcgagg agctcctcaa gac 693

<210> 24709

<211> 402

<212> DNA

<213> Aspergillus nidulans

<400> 24709

ctgggctagc gttgtcgccg gcagccgaac cttccggat atctactcgt ggcaccagat 60

tggcgtctgg gagecgcgagc cagaccgatc agttgcagac tttaaggcac ttctgaactt 120

atacggctta ccggataaac ccatcgatct gaatgaatac gcatggacga ccgagcagaa 180

tcctgccaat tcggacttct acctcgctca gcttgaacga cacaatgtcc gcggcctgcy 240

cgcgaaactgg ggttctggcg gtggacttca cgattacctt gcgaacttgg tctataagag 300

cgaaagcgac ggcgaatatc aaccaacgg cgaatggcat ctgtacaact actacgcgaa 360

tatgacaggg gtcagggttg cgacaacggc agcggcggat ag 402

<210> 24710
 <211> 1617
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24710

ctcccctacc gcgcttcaac gttccctcgg tcagagtgag cgatgggtccc aacggcggttc 60
 gaggcaccaa gttcttcgac ggcgtccgcg ccgcctgtct tccttggtggc accggcctgg 120
 ccgccacatg ggaccagtct ttgcttttcg atgccggtgt tctcatcggc caagagtgcc 180
 tagccaaagg tgctcactgc tggctaggac ccacggtgtg tatccaacgg tcgccccttg 240
 ggggcagagg ttctgagtct ttcgcggagg acccatatgc caccggcaaa cttgccgccc 300
 cctacatccg aggtgcccag tccaccggcg tgatatccac tatcaagcat ttcgcagcaa 360
 acgaccagga gcatgagaga attagcgtca atgccgtcat gagcgagcga gcgttgcgcg 420
 aggttcattt gttgcccttt cagatcgcta tcgccgatgc agctccgggc gcagtcatga 480
 catgctacaa caagatcaac gggcaacatg ttctggagag caaggagatg ttggatggtc 540
 tcttgcgcaa ggaatggggc tggaagggcc tcatcatgag tgactgggtgc gtctgcatta 600
 ccacgtccga ttccgggcaga tcatttgctt acttggcctt gacaggtttg gaacgtactc 660
 gaccgccgag gctctgaatg ccggccttga cctggagatg cctggcccca caaggcttcg 720
 aggaccgtta ctggagcttg cgatttcgag tcgcaaagtc tcccgtcaa cgcttgacga 780
 gcgcgccagg accgtgctcg aattcgtgaa gcgagccaac aaggccgagg ttctgacagt 840
 cgagagcaca cgagactttc ccgaggatcg taggttgaac cgcaaacttg ctgccgatag 900
 cattgtcctg cttaagaacg agtcggggct ttggcacta aacctgaagg cgttgaagag 960
 tgccgccttg atcgggccaac acatgaagac cgcggcggtc tgcgggggag gttctgcgtc 1020
 cctccagcca tactacagca tctcgccgta ccagggaatc atgaaccagc tccctccggg 1080
 cgtcgagatt atctacgaga caggcgctag ttcgtatgtt tttatcccgg agctggaggc 1140
 gtcagaagtg cgcacgccgg aaggcagcct gggcttcgaa tgcgcttcta ccgagaacca 1200
 ccctccgtca aagaacggcg cgtgggttgag gaaaccatcc tacaggagtc ttcgtggcag 1260
 ctgatgggct tctccaaccc acaattggac cggctcttct acgcagacat tgaagccgag 1320

ttgattgctc ctgccactgg tcctttcgaa ttgggccttg ctgtctatgg ttctggcagc 1380
ctctttatcg acgaccagct tataatcgat aacactactg tgcaacgagg gggcaatttc 1440
ttcttcggca aaggcaccgc ggaggaaaag gccaccgtgg atcttggtta gggtcagttg 1500
tacaagatta ggggtggaatt cgctagtggc ccacgtccca agctcatgaa accggggggtt 1560
gtgaatttcg gtggcgggcg tggtcgctng ggaatggttc aggccatcga tccggag 1617

<210> 24711
<211> 1047
<212> DNA
<213> Aspergillus nidulans
<400> 24711

atggcccatc ctgagtccga cgcgtccgtc ttatatcatg cccgttatct acaatacacg 60
cggaagtcca tatcttcgcc agttcagaac cacaccctcg ctggaaaaca gacaatggac 120
tcctcgcatt accggaaaat cgaacttcaa tctgccgcag actttaccta ctttcacagc 180
aacaccgttg ctctctcccg ccaaaaacta gacctgcacc taccctccctc cgcagcccca 240
aacaatgagc ccgaaactat gcgcgagcgc gtgcgcgaac ttgtggacga tgtatctgca 300
tatttcttaa tgcaccttta tatattgaga tatgcagttg tgctaacaga tccgttttct 360
tattcgatct aggtcataac gcgcacattc acatccgcac ccgcctccgc ttcgatcaac 420
gggctggact cgacatcacc ggagtttctt ttcccagcag catttactgc gccaacagag 480
ctggaaacgg tggagtacga gccatttgac ggaaagttag cggcgcgggt tgcgtcgatg 540
tatgcgcagc ttgagtcgtt aactacaacg gtcgcgcagt tgaggaggga tgcgccgcga 600
cgggcggcga ggaatacgc gaaagagctg gggaggatta ttgaggagga ggataaggaa 660
ttcaacaatg aagaagacga tgcggatgtt ggaatgaacg atgcagacgc ggatagaaat 720
caagaccaac tgcaaacgca accggaagaa gacgttgcta atattaatga aggggagagg 780
agacggcggg gaaaagtctc caggaaggag tggaatcttg atattcccct tggaacagaa 840
caggaagcgg agcgggtggc gaatggggag atggcagagg ttacgagga tacattgcgg 900
acactccttc ggctgcaggg cgagcctgta ccggggaatg acgatgctat gtccaggtct 960
gatggtgtgg atggtaatgc gctggcatct acagtaggca aagctgagcg agccgggcgg 1020
gcggttgagt ttgtggaaaa gatctga 1047

<210> 24712
 <211> 1026
 <212> DNA
 <213> Aspergillus nidulans

<400> 24712

```
aactgtctgt acagccctct ctgcaaagaa gtgaacgatg ctctctccaa atacgatgaa 60
atcatggata ttggcgctat catcatcaca gggggggaga tggcttttgc cggggtgttc 120
ttgtctactc catgtcaagg ctctttctct tcaagtcgca attctaacag atatttttgg 180
tgtataaagc cggcgcggac atcaaagaaa tggccctctt aaccttcgct tccgcgtata 240
gcaacaactt catagcccct tggtcgcate tcgcgaattc tattcgcaag cctgtaattg 300
ccgccgtttc tggcttcgcc cttggcggtg ggcgtgaact tgctctaata tgtgacatca 360
tctactgcac cgcgtccgcc acgttcggac agcctgagat caagctgggc gttatccccg 420
gcgccggcgg gtcgcaacgt ctccgggctg cgggtgggcaa gagtaaagcg atggaactca 480
tcttaacggg caagaacttc agcggcaaag aggcgggtga gtggggagtt gcggcgaagg 540
ttgtcgatgg tgggaaggag gaactcttga ggaggcagtg aagactgccg agacaattgc 600
cggatatagc cgggttgcca ctggttcggc gaaggaagta gtgaataaga gtcaggattt 660
gggagtgagg gagggcggtg agtacgagcg gaggtgttgc catgggttgt tcgggagtca 720
ggatcagaag atcggtaggt ttttgtccct ttaccattac tccaagaatg gcaactgacgg 780
agagaaagga atgactgcgt ttgcggaaaa gaagaagcct cagtggtcgc acgagtaaga 840
aattgggcta gaatgttagc ctatgcgcac atgtaagaac ttgacaatga acctgtctga 900
aataacagta aaggcatcat tagacacatt cggtgcctca taacgtatta tgtacactca 960
ttattagata ttatgggatg caagaaagcg gtatgtgggt taacaaagct cagaacacgc 1020
cagtag 1026
```

<210> 24713
 <211> 842
 <212> DNA
 <213> Aspergillus nidulans

<400> 24713

```
atgaaggtct ctgtccttgt gaagcttggg gccctcgcaa ggctgaccac cgccagcttg 60
```

gtgagtctag ctctgaacgc ttaattcctt ctgaacacca taaaggctaa ccttccgcag 120
ctaaccggc agtcacaatg cagcggagag cctgccactc taacattaag cgaccctccg 180
taccagaact tcttctactc tgactgcaac accgctgccc agcttgctcg tacaagtccc 240
cttcagaca gcgatctgga aatcatcggc ccgcgcttga tcgtggcctg gcctgctggt 300
aatagcggag tatgtgcctt cttcgcgccg cagaatgggg tcaatggcag tctctcaatc 360
tcgcttgta attcgacagc tggccctcca ttaaccgcta tccacactga gccacctgag 420
aattctggga ccgatttgcc gatagtgggt gtacaggga tcgtgaggtt caacgcacgc 480
gctgtcctga ccgttcctat tttgggaagt attaggacga tcagagattt tgtcgaagga 540
cccagtcttc tgtaccctga ggtgcaggac gctatcatgt ttggcaccac tccagatggg 600
ggcgttacgc ttgaacgcct ctggctggat aatgttacca ccactagtct taacttcgtg 660
cccatgaact cgagctatag ccaggtttca attgcgggca ggacagtgc tttcacaccg 720
ggggattata tgttctccgc atcctacaac tatccccagt tgacgcagct gaagccatcg 780
gctgtgcttg ctaacaagtgc cggcgatctc attaccgagt atcctacca aacaacagca 840
ct 842

<210> 24714
<211> 813
<212> DNA
<213> Aspergillus nidulans
<400> 24714

gttggtacga tagagcctgt gctctcgaga gtcgctcatc ttcctcggca gcatctcggg 60
tcgacgttat atgctccacg gatcggagta ccgactgcaa aagcgacatt ggagagtgcc 120
aagttcggct acacaacgac tcccctgccc ctctctcgct ttgatggcaa ggagaactgc 180
accttcacca tccgtgtccc tcgattccgg atagataaca gccaccgca agaaatctgc 240
gcccgccgcg ctctctgggg cactggtatc tacacagacg attcggaccc agttgcagcg 300
gcgatccact cgggctttat ccgcggggcc tggggggaag atgtggatcc cgacatgctc 360
gatctggaga tcaaagattc attccagcac gctcctaaga cggccaagga catgggcctc 420
gatggagacc agcgacccaa gatccctccg ccaccgccgt ccggcaaaga cctccacatc 480
acattactca tctccccaa actggaacga tatgagagca gcgtgctgtt tggcctgaag 540

tcgcgggtct gggagcagaa tcacgatggc atgagcttta aagtactgcg aatcgagtgg 600
 gtagacgagg gtgtcgggcg ggcggaggag cgcagcggag aggccaggcg caaacgccta 660
 cgcaacgcca tccagtcggy gcggtatctgt acagggcccc ggggtggtgaa gctagatcag 720
 ctccgcagtg gaatcgtcca ggttccacgg cgggaaacca aggcgatcga gggccaagat 780
 cagcctgcct cggcgatgcc tattgtctcg tga 813

<210> 24715
 <211> 1168
 <212> DNA
 <213> Aspergillus nidulans

<400> 24715

aacaactcgt ttcgttcacg cctctggtcg cccaatatc cctgtctct aacgaacagg 60
 tgtttaacga cttgcaatgg aaaacactct tatctttggc tgatactgtc atcccgctctg 120
 tgcgtggccc ccgggcccgc aaatcgcgcg ctaccaaggt tgtaccacag gcgaagctag 180
 acgctgcgct cgagacttta agggcctcca tccgcggccc cgacgcagat acccttgtaa 240
 cacagtactt ggaggaaaat ttaacctcca tcccggaggt tcgccaagca ttgcagcggc 300
 tcttactca gcatgtgcac aaggaaggac gaaatggact gagtatgac ctcagtgcct 360
 tgaagtatgt tgctttcggc caattgcctt ttgtgtatgc tgatggtcgt atagtacgaa 420
 agccggctct ttgtactta cgggctcgat gatccctatt caggaccaac ccttctatgt 480
 ccgagagcag attttccagg gctggagtga ctgcgcttg ccaccgggtgc gcgccgtcta 540
 tcgcgccctc actgcgatct ttaagaaggt gtgggttacg ttcagtccta gcctttatcc 600
 gacgcttggg gttccccatg ttcccatcta tggaaccccg caaatgggt tccaattcga 660
 gtttttgcaa ttccccccag ggcagaaacc agagatgac gaaacagatg tgctcatcat 720
 cggaagcggc tgtggtggca gcgtcgccgc caaaaacctt gcagaagccg gcaagagggt 780
 cattgtagtg gacaagggt attcattcac aaaccagcat ttccccatga agcccaatga 840
 aggtttcaac aatctgttcg agtctgctgg tgccgtcatg aacgatgaga gttcgatggc 900
 cgttctcttt ggctctacct ggggtggtgg tggtagcgtc aactgggtccg cctcgcttca 960
 gactcaagct tatgttcgcc gtgaatgggc caagcgaggc ctcccgttct ttacctcctt 1020
 ggagtttcaa aatagcttgg atcgcgtctg tgacaggatg ggcgtcagcg ccgaccatat 1080

caaccacaac aagtccaacc gcatgatcct tgagggatct cgaaagctag gttattcagc 1140
caagccggtg ccgcagaaca ccggtggc 1168

<210> 24716
<211> 740
<212> DNA
<213> Aspergillus nidulans

<400> 24716
atccatacat ccctcccgcg agaatcgaga aagacagttt ccgcgaagaa tcgtttcacg 60
ccgcgaaatc caactcaaca ttatcccaca aggcggaactc gcaatcggcc gtgacagttt 120
cgaagactaa ttacgaatca gacatcaagt atcctgatct tccgcctgtt ccgcccgatg 180
acaatcccgg gccgtcgagc agcgcaactgc cctggctctt ctcgcccccc tcccactttc 240
aaaagcccg cgcgcctcga accgttcctt ggcggaagca agagaataat atcattacga 300
tagatgatga ggcaaaacca gagacacccg cgcggccagc tgcaacggct ccgtggaata 360
aaacagccag cgcaatcaag gaagagcaga aggaacttcg ccgtcagaat aagaaagcgc 420
aagcccagaa aacacaatca agcaccaaac accatatgcc ccgtgcccac gtggctccta 480
tattttctcag tgatgagcag aagcatgtct tgaaagcagt tgttgagaaa gggcagagta 540
tattttttac aggttcagca ggaactggta aatcagtcct catgagagaa atcatcaaga 600
aattacggga taagtacagg aaagaaccgg accgcacgc agtcacagcg tctactggcc 660
ttgctgcatg taatattgaa ggtgtcacct tacatagttt cgcgggcatt ggcttaggta 720
aagaacctgt acctgagctg 740

<210> 24717
<211> 2660
<212> DNA
<213> Aspergillus nidulans

<400> 24717
atggaggact tccaagctgc cggcaaaaag gttgctgcgt atgctcatct tctggcgttg 60
gtggtccagg acaaggagat gtacaacgct aactagacg agctaaagga gtgtttcaca 120
acgttccttc agttcatcgc ggtaccctcg gagaagactc ctgatgaatc atttccttgg 180
gtaggacatg tgttgcttgt tctcgagaaa ctactctctg atgatgctca accaccccaa 240

atcaactggg ccttacctga taactcggat cccagctcga tagacgatgg gccggcccag 300
 ttgcaggagc ctctcatatc caacgaggag aaaatgcaac tgtttgaagt tctcgtcgaa 360
 'gtgcttccta gaattggaaa ggacgacact ctggctctct cagtgtgtcg gatcctggtc 420
 atcctcacca gaattcgagc tattgccgtt cgactcgggtg agaaacgtaa tttgcaacga 480
 ttatttgtca tggtaagca gctttcgagc tccacaaatg ataagcttca aggcgctttc 540
 atgcttatct tgaggcatat tattgaagac gaagatacca tccggcagat catgaggagt 600
 gaaatcgttg ccaacttcga atcaaaatct cattcacggc caatcgacac tacgggggtat 660
 gtcaggcaaa tgtatcattt ggtgctcaga tcgccagaaa tttttgtcga agtctccaac 720
 gaaaagctca aactcttgcg gtacgacagc cgacaacgtc ctcagcacct cacgttgaag 780
 tctgagaaga agactgaagc gggcgcgaaa cccagcgggt ctgccgagca gaagcctgac 840
 aatgcacaaa ctgacaaaga gaagggaaag gccgctgagt tgaaaactcc tgcgtggag 900
 aagccagatg gggtcacca ctatcttctt tccgaactcc tgtcttaca ggatgttgat 960
 gataaggaac catcagggga caatctagaa acctctgccg ttgagcaatc ggagactccg 1020
 actcagactg atgttgagat gtcaactgac gaacctgtc cttccgtttc gagcaccgag 1080
 ctccagggct cgcggaatcc caagaagtca gagaagcccg cattccaagc agatgatcat 1140
 cccatctaca tttatcgatg cttcttgctt caatgcttga cggaactgct ttcgtcctac 1200
 aaccaaacca aggttgaatt catcaacttc tctcgcaagg cggatccctt ggtaaccacg 1260
 ccctccaagc ctgctccgg gattctgaac tatcttctca atgccctcgt gcctgttggc 1320
 acgatggagc acgatgaatc cgttgccttt aaaaaacgca gtaaacctc tgcttggaca 1380
 atgcgtgtcc tggttgcatt gtgcaccaag acaggtgaaa tcggtgggtca cggaaggcgc 1440
 cgcaatgatc agaattctaa cgaagaagac gaacctgagc tagccttcgt gcgaagggtc 1500
 gttctggaac atgctctaaa agcgtacaag gaagcaaatg cttccaatga agcactagat 1560
 gcaaagtatt ctcggttgat gtcacttgcg gacctatttg acaagatgct cagcggctat 1620
 gcgtttgtct caggagacac tgctttccca tctccacca ggcaaactgc taaaactatg 1680
 ttcgagaagc atttcatttc tgctctcact gcatctgttg ccgaaattga cctgaacttc 1740
 ccatcctcta agcgggttat caagtacatc ttacgcccac tgaacaagct taccagact 1800
 gctgtgctct taagcgagac ttctgacatt tcgaccattg ggggatcaga ggatgacgaa 1860

<210> 24719
 <211> 1256
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24719

```
atggtatcgt tatttggggg cgcaaaccga cgagcaaaag cggagaagct tacaaagggt 60
gttaatctac tcattgcgac acctggtcgt ctactcgatc atctgcagaa cccccccggc 120
tttgtcttca aaaacctgaa gaccttagtc atcgacgaag cggaccgaat cctggaagtc 180
ggtttcgagg atgagatgcg ccagattatc aagatcctcc ccaacgaaga cagacagact 240
atgctgtttt ctgccacca gaccacaaaa gtcgaggact tggcgcggat atcgctccga 300
ccgggacctc tgtatatcaa cgtcgatcac aggaaggagc acagcacagt ggagggattg 360
gagcaggggt atgtcatttg cgaggctgac aagcgattcc tgctactctt ctccttcttg 420
aagcgcaacc tcaagaagaa gataattgtc ttcttctcta gctgcaattg cgtgaaatac 480
cacgctgaac tcctcaacta cattgacctt ccagtgtctg acctacacgg aaagcagaag 540
cagcagaagc gaaccaacac tttctttgag ttctgtaacg ccaagcaagg agtcttgatc 600
tgcacagatg ttgccgcaag aggtctagat gtatgtcttc ctttcctctg aagtagctat 660
agcccactgc cacctttaga tccctgccgt cgactggatc atccagttcg atccnacaga 720
cgacaccgga gactacatcc accgagtcgg acgtaccgcc cgtggagcca atggcagggg 780
ccgcagtttg atgttcctgc agccgtctga agttgggttc ctcaagtacc tcaaagaagc 840
ccgagtacca gtcgtggagt tcgacttccc agccaagaag attgtgaacg tccaatctca 900
acttgagaag ctgatcagcc aaaattacta tctcaacaag gtaagctttt agcccagaac 960
tcgttttgag atgtggacga tgtgtatgta ctaactcatt ccccagtcg gccaaagacg 1020
gtaccgctc ctacctccag gcgtacgct ctcactccct gcgctccgtt ttcgacgtgc 1080
acaagctcga tctcgtgaaa gtggcgaaga gcttcggctt ctcgacgcca ccgcgtattg 1140
acatccagct tgggtccagt ctcagcagag ataagaagca acagcagcag ggaagacgca 1200
gttacggtag tcaaccgaag ggctgaagt tcaagaggaa gcatgaggat gattga 1256
```

<210> 24720

<211> 645
 <212> DNA
 <213> Aspergillus nidulans

<400> 24720

```

tgcaaacaac taccagcaag aagaaagtga gatgtggatc ggcgagtggc tgaagaagcg 60
cggtaacctg gatcagatgg tgtatgtcca acaccatttt ctcccagtgg tctccctgat 120
gctctatctc actgattttc gttcagcatt gcaacaaaat atacaaccgg gttccgcacc 180
tctcactgtg cgaccgagcc tcttcaatcc aacttcgttg gcaacagctt caagtccatg 240
cgcgctctccg tcgacaactc cctccgcaag cttcagacag actacatcga catcctctac 300
ctgcactggg gggactttac aacgagcgtg gaagaagtca tgcacgggct caatagcctg 360
gtaactgccg gaaaagtgtc ctaccttggg gtgagtata caccgcgatg ggtcgtcgtc 420
aaagcgaacg actatgcgcg cgcgcacggc ctcaagcctt tctcggctta ccaggggaag 480
tggaacgccg gctaccgcga tatggagaga gagattgtcc ccatgtgccg cgatcagggg 540
atggggggat tgcgccgtgg gcgccgcttg gtggcggcaa gtctaagagc gcagacgccc 600
ggaaggctgc gagcagcggg gggagtaacc gcggagcgca gatga 645

```

<210> 24721
 <211> 2019
 <212> DNA
 <213> Aspergillus nidulans

<400> 24721

```

atggcccggg tccgcgaggg tgagactctc ttcgatataa aaagggggcc aatgttgaca 60
gccccaatct gggttgtctc cgagagccag tatctgttct tggcggctca tcatctggtt 120
attgatctgg tatcgtggcg aattatcctg caggatttgg aggatgtgct taggactggc 180
cgtatcaact caactccac tatttccttc cagaattggg cgaagttgca acgcgaatat 240
gtctcccagc acttgtcaaa accagacacc tgggaccttg aggcaccac aggtgatctg 300
gcctactgga acatgcaggg agaagccaat aactggggag atattgtcac tgaatccttc 360
accatcgatt ctgagaggac cgcgctgcta ctcggagact gtaatattcc gttgcgcaca 420
gagccgactg atatcatggg agctgcactg cttcattctt tccgtcacgc gttctctgac 480
cgaaatgtcc ctgccgtcta cctagaagga catggccgtg aaccctggac atcggccatt 540

```

gatgtctcac gcacagtggg ttggttcacg accatgtatc cgcgcagcta cgagactccc 600
gaagacaact ggcttgatgc tgtcaaaaga ttgaaggaca gccgacgaaa gattgcccac 660
aatgggtggc ggtactttac tgcgcgatct cttctggccg gcgggatgca ggatatggag 720
gttgttttca attacctcgg tctttaccag caactgcaga gagtcgacgc cttgtttcaa 780
gagtcttcta tcaccggaac tgattgtggt gagatcagcc ctcagatgca gcgttactct 840
ttgtttgaga tcgccgccgg ggtctccaac gggcggatgg agttcacttt cgagtataac 900
aagaaaatga gccatcgca tacaataagt tcttgatca atcattatcg tcaagtcctc 960
gagactggta tcgatgaact catgaggcag tccgaattaa tccccacact tagcgatttc 1020
ccgctcctga acttgctcta taaagacttg gataacctgg ctacctccat cctacctgaa 1080
gctggagtca agtcgatcga cgagatcgag agcctttctc cttgctcgcc tatgcaactg 1140
ggtttggtga tgagtcagtt gaaatccgag ggtgcctacg agttcttcac catcatggag 1200
gccactgccc gcgagggagt cgatagtga cagttgggtg cagcctggca acaggttatt 1260
gaccggcacc cgatgctacg gaccgttttc attaaaagtg ctgtcccaga ccgaccttac 1320
gaccagctgg tgctgaaaga gttgagggcg caagtgggtg agctgcgtag cgacgacctt 1380
gtccatgctt tacgcacatt acctcagaca gcaaagctcc atcaattagc aatctgtcac 1440
tgtgagaacg gtcgaatggt ttgcaagttg gagatcaacc atgccttgat cgatgggaca 1500
tctatggcta tcattgagcg ggacttgaag cgcgcctaca gcaagaaact cagcagcgtg 1560
ccccctcttg catacgtcga ctacgtgagc ttctccaag aagcaaagag ggccgaatcg 1620
gtcaatttct ggaacgatta cctccaagac gctcagccct gccagtttcc cattcttaat 1680
gacggccgag accaatctca ggctctggaa tcgatcaatg ttgagcttcc cggcttgaca 1740
aaggagacac tgagcgcctt ttccgaacgc tggggattca ccgttgctaa cgtcgttcaa 1800
accgcgtggg ccctgggtct ggcgcgtttt attggaacag actctgtctg ctacgggtat 1860
ctgacctcgg gccgtgatgc tcctcttgat gggatcgagg actccgtggg tcatttcac 1920
aacatgcttg tttgtgcct gaagttcgat ccccatgagc cggctctggt tgctctaaaa 1980
aacaccaag atgggttctt gaaggccatg tcccaccag 2019

<210> 24722
<211> 779
<212> DNA

<213> Aspergillus nidulans

<400> 24722

gatttcggta cagcatacta gtacattctt acgcgcgtga ctctgcaaac ttctcacgcc 60
acattctccc ttaactcacc ctccggttca caagacgaca ctacctggcg cgctgtctac 120
aacgctggcc gtatcgcacc acacactccc agtcttcac caccgacctc acctcttcac 180
ataccattct cacacctatc acaacgcatt aacttctctc ccttgccctc atcttagcac 240
ccacccccga cccgcttcca gagatcctcg gcgtttggcg ccgtgcagac gaagaacttt 300
ccctcctccg tgcccgcgaa tcggatgaag aagacgcctg ggacaccaag ggcgatagaa 360
gcgctgccgc cacatttctc ccgggtggct tcaatcaacc gaacacagag caagacgtat 420
tggaacaaaa acagcagcac gcccgtcgcg cggcccgcg cgcctatcac aaccgtcttg 480
attcgggcga agcaccaatg ggtctttttg aagttgcacg cgggtgtgcg agagcactgc 540
ataagaatgt tgcgttcccg ttatctgcat ccgcgtccgc ttccgcttca tcgtcaatgt 600
cgctcgttga tcgcacttcc gaggatgacg gcgagaatcc gaacggtggt accggcgaca 660
gtgatgcggg gagaataagg aagcgagatg tcgttagtaa tatggttact gggggtctag 720
cgagtgggat aggctgggtt ctgggtgcgc agccagttaa tatgaataat aggcagtag 779

<210> 24723

<211> 474

<212> DNA

<213> Aspergillus nidulans

<400> 24723

gaagagaccc acagtcgatt acggtttaac cggcgcgggc tttatggaat ttcaaagagc 60
gaggatggct cgggggggag gggatttttc atcacccttg ccaataccga gcgcgagttg 120
aacgggcaat gcacgtctct cgggcgcctt gagggggata cgctgtacaa catgttgaag 180
atcgcgagg cgcagcgcat cgaggggacc gagcgacctg tatacccggt gaagattaca 240
tcttgcaag tgggtgatct gggaccgttc gttgataagg ctaagaagag gcaggttggt 300
gctacagggc cgaagactga ggagaagccg gccgcgaata agaagatgaa ggccaagccc 360
gggaaggcct tggttgagttt tggaggcgac tatgaggaag acgaggatat gcctattcgt 420
ccggcgaagc caaagttaaa ttctatgctt gttacggaca caaagcttcc ataa 474

<210> 24724
 <211> 376
 <212> DNA
 <213> Aspergillus nidulans

<400> 24724

tactcgcgga ggtgacaaat tcgctcttcc tggcggacgg aagaagcgcg atgagatact 60
 attagatatg attcggagca ctttgggtcaa aggtggcacc gtgctgattc caacggacac 120
 aagtgcgcgg gtgcttgagc tggcatatgc gttagagcat gcctggcgcg acgctgctag 180
 ggacacccaa gatgatgttc tgaaacgggg tggactatac ttagctggta gaaaggtcaa 240
 cacaactatg aggcttgcca gaagtatgtt ggaatggatg gatgagagta ttgtgcgcga 300
 atttgaggca gctgaagctg cagatactgc tggccagaac aatgacggcc agcgttccga 360
 ccaacgccag ggcaag 376

<210> 24725
 <211> 217
 <212> DNA
 <213> Aspergillus nidulans

<400> 24725

atgaacggtg ctgttgatcc cgaaagggag caggcactgg aggagtacaa gcggagccta 60
 ctggatctcc gggaatggga ggctaagctc aaagcgcttc gtatgggaat aaaggacttg 120
 caaagagagt ttgatatttc agaagaaaac atcaaagctc tgcaaagtgt tggtcagatt 180
 attggaaagg tgctgaagca gctcgatgag gagcgat 217

<210> 24726
 <211> 613
 <212> DNA
 <213> Aspergillus nidulans

<400> 24726

tcaaagacta cagaatccag gtagaccccg catatgccag tggttaacgt cggaagtata 60
 gccaaagccat catatctgcc tgtggaagtc tgtgacgttc tgtcaggcca accagcaaag 120
 acgaagcttt cgtctaataca gacacgccag atgttgaact ttgcagtgcg aagcccagcg 180
 caaaatgccc attccattgt cacaagggga acgcaaatat tgggtcttcg ggatcccacc 240

gctgccacgc tggtttgccc acccttcctt attcaaaata gaattgctaa ttcgttcgtc 300
 ttgacagggtg gactttggca ttcaaaccac cccaacctc atcacagtac ctggccgagt 360
 tcttgctcct ccgactgtat attacaaaga tgagaaatca aaggacaaag agattgcccc 420
 catgtccggc agctggaaca tgaaatctat cagattctcg acaagctcca atcttcagag 480
 ctgggcctgt atccttatta ccgctggggc taagcaacac ttccaaagcc ctgatgatct 540
 ggaagactgt ctataccggt ttacgaagaa gctcagagag gttgggggta acgcaaacc 600
 tcctgtttttt aaa 613

<210> 24727
 <211> 1775
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24727
 atggatgtgc tgaagagcag tgccttggag gatattgcca ctgctattcg ggaaaaaggc 60
 ttgagtctca accacgccat tgacttgcaa cccagcaaca aagaccagat ccgcgagatt 120
 gtgtccttgg tcgaaacagc agctggccta gcagacgcaa gcaacttcac caacaagctc 180
 gaccacggct acgcaacaat ggtcggatca agcgggaacc tcatcagtgg gggccagaag 240
 cagcgtatct cgatcgcccc agccttgggc aaaagcccc aaatccttat ccttgatgaa 300
 gccaccgcat ctctggattc cgctacggaa ttacgcgtgc aacgggcgtt ggaggcggcg 360
 gctgctggac gcaacttagt cactatagcc catcggtctc cgaccatcaa gaaggcggat 420
 aacattattg tgatgagaca gggaaagctc attgagcagg gctctcatgc agaacttctt 480
 gcggcagatg gagcgtatgc agagctggta aggttgacaga atctcaatgt caatgcctcg 540
 caggagagtg cgtcttcgtc tgctcggccg tcaactggaca gtacggcgct tgagaaagaa 600
 aggaatgcag aggtaacatc ggtacaagac gacgaaagct ccactccatc ccctaaagag 660
 aagccagcag acgaagaacc agttactacc gagcgtcttg tcggttctac ctctaaggcc 720
 attgcctctc tcttcggtcc gtactcgcta gccctccttg tagccatcat cggtgccgtc 780
 gtcacggag gcacatactg cggttctgct gtcatttcg gtaacgttgt gggcaagcta 840
 agctcgtgcy agacagcaga atccatccgc cagcgggag aattctgggg gctcatgttc 900
 ttcgtcctgg ctctgattga gtttttcgca aacctcatca gctggtcctt cttcggctgg 960

atcgcggagc agtcatata taaagtcgc gtgctctctc tacgttccat tctcgagcag 1020
aagctggaat ggcataagc gcgcacaccc tccggcctcc tatcactcat tgtcaaggac 1080
agcaacgcgc tcaatggcct cacgggatcc gtcatttgca caatcctcag catcctcgtc 1140
aacctcttcg ccgccattat tatgaccac atcattgcct ggagaattgc actcgtttgt 1200
ctctccgtcg tgccacttct cttgggcgct gggttcatgc gtgtctcaac cttagcccgc 1260
tttgaggagc gccacaatga cgccttcgcc cgctccctgg gcataaccgt cgaagccgtg 1320
acatccatta agaccgtcca cgcgctggcc attgagtcg aagttctttc cacctaccgc 1380
cgctccctgc agggcccat gcgcgagata acagggaat ccgccttcac caacctctgg 1440
ctcgccgtcg gttacggcct cagcaacttc gtctatgcgc ttgcatactg gtggggtgcg 1500
aagcagatta tcgctggta ctacaccag acacagttct tcattgttca gctggccctg 1560
ctcgtctcgt ctcagctctg gggccagatg tttgctttgg ctctgatgt gtctcgcgcc 1620
gtgcaggcca cccgccggct cttgaacttg ctggacctag gctcaacgaa gagactctcc 1680
gatcccatct taccctctca ctggcatca acagatatcg aagcaacctc gcacccatcc 1740
gaaaaacccc ctccccctga tccatcaggc acgca 1775

<210> 24728
<211> 397
<212> DNA
<213> Aspergillus nidulans

<400> 24728
aatgcatgca ggttggcctt ggagtgatgc gaagggatat gttgctgcaa gaaactccca 60
atccgcatct caaggtactg ccgagggatc tgtctatcct cgaatctctc atgctttgca 120
ttgaacagtc atggcctagc attctgggtg gagcttcagg atgcggtaaa acaacattga 180
taagaaagct tgctgccatt aacggagcca acttggttga actagctttg agcgcggata 240
ccgatacaat ggacctcgtt ggaggcttcg aacagatcga ccacaacaga gagacgtcgg 300
ctctttttaga ggatattttg ctgttcgtga gacgacatat actctccagc tgcccgtccg 360
aaacctctca agaagagacg tatactttga ttgaact 397

<210> 24729
<211> 475
<212> DNA

<213> Aspergillus nidulans

<400> 24729

cgaactatgg atatctacga ttatgtccaa ggggatctat tctcctccag caatcaaaca 60
gaaaaggacg aatcccagca ggggtacaacc aacacgaacc aaccgcgctg cgatttgaac 120
accgagctac aggagacctt ccgcgccttc tccgcaagcc cttggggctc acgcctcggc 180
gacatctggg gcaacgtccg taaacatggt gaaagctact acgaaggcgc acgacaggaa 240
tacgccgccc ccagcgaaga agccgtcaaa ggattcaccg gcctcaaaga tagccttgtg 300
gggcggacaa ggggcctatc gctcagcaca gcgtttggca ccaccgctga gcgaggaaca 360
acggacggct ctctaactcc tacggaatct tgcgctgcgg gaggtcctc caagacagaa 420
cagcagcagg atggtggcga caagaagact gccggaggcg agagcttcct cgccc 475

<210> 24730

<211> 741

<212> DNA

<213> Aspergillus nidulans

<400> 24730

ggtgactgga tcctcttcac ccacgagggt ggtgtcgatg ttggtgacgt tgatgctaaa 60
gcagagaagc ttttgatccc cgtcaacctt aagaactacc cctccaacga ggaaatcgct 120
tccgcacttc tcagcaaagt tcccaggggc attcacaacg tcttggttga ctttatttct 180
cgtctctacg ctgtctacgt tgactgccag ttcacctacc ttgagatcaa ccctctcggt 240
gtcatcccca acgccgatgc tacttctgcc gacgtccact tccttgactt ggctgccaag 300
cttgaccaga ctgctgagtt cgagtgcggt accaagtggg ctggtgctcg tagcccggct 360
aaccttggcc tggccgctct tcccacatcc gacaaggtea acattgatgc cggtcctccc 420
atggagttcc ccgctccttt cggacgtgaa ttgagcaagg aggagaagtt catctcagac 480
atggatgcca agactggtgc ctctcttaag ctactgtcc tgaaccccaa cggccgtgtc 540
tggaactctg tcgctggtgg tgggtgcctcc gtcgtctacg cggacgccat tgcttccgct 600
ggtttcgta gcgagctcgc caactacggt gaatactccg gtgctccac tgagactcag 660
actttcaact acgcccgcac cattctcgac ctgatgtgc gctctcccat ccaccccgac 720
ggcaaggtcc tgttttcgcg a 741

<210> 24731
 <211> 438
 <212> DNA
 <213> Aspergillus nidulans

<400> 24731

```
atcgtctctt tcctcgtgca gggctctgga gctggactga tggccatggg cgggtcgatg 60
acgaacgtgg caaaaggatg tggtatcgcg gggctgatgg tccagattgt gatatttggg 120
ttcttcatgg tcacgtccgc cgtgtttgac cagcgcataa ggcggtagcc aaccagtctt 180
agcatgagca ggaacggtgg tgacgggata ggctggaaag agcatctcta tccgctgtac 240
gcggtcagta tcctcattat gatccggctg attttcagag tcatcgagta tgcaatgggg 300
cagaaggggt accttctagc gcatgaatgg ccgatatatg ttttcgacgc ggtcttgatg 360
cttgggggtg tggatgatctg ggggaagggt gcattccggg agcatcagga ccgaggggat 420
gggagcgcag ttatttag 438
```

<210> 24732
 <211> 1295
 <212> DNA
 <213> Aspergillus nidulans

<400> 24732

```
agcaaatacc tcatcggcgc agacggaggg cgcagtttcg tccgccgaca tgcagggata 60
ccctttgagg gtgacatttc cgaggataga tggatccgaa ttgatggaat cgtcgagacg 120
gacatgccta ttactcgcgc ttatgggtga gttgctgcgc tgaggcgtgc ctatctgcct 180
aaccgtacct cgatcacgac tgacaccag ccctgcgtcc tacgtacagc gcaattgaaa 240
gcgaaacaca cggtaacgtc ctctgggcac ctctcgacca cggcgctata aggatcgggt 300
atgcatacag cgcgagatt gcagcaaagt atccgaacgg cgtgacgcag gaagtcgcag 360
tacaagaagc aatcgaagcc atgaaacctt tcaaagtctc gttcagagaa gtccactggt 420
ggactctgta tacaatcggg cagcgcacgc cgaagacctt cgcgacggcc aataaccacg 480
ttttcctctg cggggacgca gcacacacgc acagtagcgg tgccgcgcag ggcctcaaca 540
cggggatcca cgacgccgtg aatctgggct ggaagctggc gctgcatatc cgggggctca 600
caaagccaga ggtgctggag acgtacacgg ccgagcggct gacgactgtg cagagactga 660
```

ttgactacga caaggacatt ggcagcgtca tgtcttccaa gtggccggcg tggatatacgg 720
 gcgaccccaa tgcagacccg catcttggtc tggggcagat cttcgacgaa gctgctgcgt 780
 tcaatacggg actaggaata tegtacccgg caaatgtgct gaatgatctc ggatcggctc 840
 cttatactaa caacagcagc cagtgtgttc tcgcgcttg aagtcgaccc ccagacgtcg 900
 acctgaagat gcccgccacg aaccagctcg tccgtctaca gaaaataaca cccaacaacg 960
 cgcaattctg ggtcatcatt ttcgcaggaa ataacagccc gagtattcag gagacgttgg 1020
 gggcattgca gcggtacctg cgggacaccg cgccagagct catatcgcat aagagcatca 1080
 gatggttgac gatcaccacg gccgttgggt gctcgctta cgaagctctg ggaatggatc 1140
 ccctcggtaga tgcgtacttt gatgcagcca aaccctggc ccatggtagg ctcggtgtgg 1200
 atatggagga gggggcggcg gttattctac ggccggatgg gttggttggg gctacgggta 1260
 agatggaagg gcgctggata cgggagtatt tctcg 1295

<210> 24733
 <211> 933
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24733

atgaagggcc attcaaaacc aagcttgggg gaacatctgc agaaggacgg caaagtggag 60
 ggtactgtct ctttgaatga aaaattagag agcgaaatgt gcaaactcga ggttctgttg 120
 tcccagcctg gagccgaaga agacgagaag gagttcccg atcttgagga cgacgattgc 180
 aaagtgaac ctatgccgaa gcaaaccggc gaagctcata tcgcagcgga ctccaacgga 240
 cccgctatta gctcgagggt cacttgcaaa tccaccacag tctcccggtc ttcacaggat 300
 gacttacctc atcagtcgga acctgaagaa tactgggacg atgacgatga ggagaacgag 360
 gaagacgact atatcactgc ccgatcatac cgctcccgtg gcgagaatac caccggcgga 420
 gcaacgaccc tactgtttcc cagatataac cagcaggta aacgtgagct ggctctcgca 480
 aagcagatag tcgaggctac ccgcaccgtg gaagatatcg aggacgacta ttgtgataca 540
 agtatggtgg ctgaatacag cgaggagatt ttcgagtaca tcagagagca agaggatatgt 600
 acagatatcc gcaactatca aacggggcta agctcacaat atctttgtag atcaagatgc 660
 tgccaaatgc acattatatg gacaaccaag ccgagatcca atggtccatg cgggtctgttc 720

tcattggactg gcttgtgcag gtccaccatc ggttctcact gctccctgaa actctttttc 780
 tttgcgtcaa ctatatcgac cgtttcctct catgcaagat tgtttcgctt ggcaagctgc 840
 agcttgttgg tgcgactgct atttttatcg ccgcgaaata tgaagagatc aactgtccgt 900
 ctgtccagga gattgtttac atggttgacg gcg 933

<210> 24734
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 24734
 gggctcttga aaaacaaggc gtctctctat ccggcttggt gaatgtcatc gacggtgtcg 60
 cagcatgcga aggccgcata cttgttatga caaccaacca ccctgagaag ctcgaccctg 120
 cgctcgccg cccaggccgg atagacttgt ctattgcatt tgggcactcc acaacctctg 180
 acattaagga gctcttctca gctatatact ctacattgga gggcgacctg cgggtttcgc 240
 ctgctgagcg gttgagccct aaactgcgtg cgaggatggc gaagcgaagc tcaacctcac 300
 attccacaaa cagcaccaat gctaacgtcg ttatccacaa ggaaactaga aagttctctg 360
 aagagcaaat ccggctatgg gggcggaat ttgcagaaag ggttcctgca ggcgagttca 420
 cccgtgcgga gatccagggg tatctgttga aacataagac tgatccg 467

<210> 24735
 <211> 417
 <212> DNA
 <213> Aspergillus nidulans

<400> 24735
 atggctcagg ttctgtacaa tttcacctcg cagaatgtcg tcgccgtcgg tgtaggtctc 60
 aatgtctcca acaccaacga tgtcgacaac gccatctttg ctcttggtcg caaagccctc 120
 gtcactatgc agttcggtat caccctcggc aacgagaagc cctgggtcca gatcttggt 180
 gatcagcaga cggtcactaa tgaacttgcg cccagcttg aggctctcac tctgggtcc 240
 gggacctacg agaacgagtc caacttctc cagccgaact ggaagcaggt cttctttggt 300
 gaaaactacg ataaactagc caagatcaag aagaagtggg accccaacac cttcttttac 360
 tccttcaagg gcgtcggcag tgactactgg accgtctccg aatctggccg gatgtgc 417

<210> 24736
 <211> 759
 <212> DNA
 <213> Aspergillus nidulans

<400> 24736

```
aacccgaact tggaagatga cgaggaagac cggacaaata cctggcgacc gatccgctac 60
cgtctacctc ctgcgagcat catgccatat gcctgggact tcccggcgac aaagaacaag 120
tctctcgtgt tggcttgcaa gggcaaagaa cggcggatta ggctgaccga gattggaaac 180
ttgataccta tgcgtattcc tcccagtcag cctggagaag cgcagaagat catcgacatc 240
aatattgttg ctgatggtcc gacgcagact ctggttttat cgaacttcaa agcatcaaag 300
agtatatatc ggcagcaaag atcacaaacc tcgcaaacga gcatcaatac tggcttcgaa 360
gtcaaggaat ttgactctga tgtcaatttc aaagctcagc ttcaccttgg tggatcgggt 420
atctccttaa tcaaccagaa aatgaaggag ttactttaca tgacgttccg tgatatcgag 480
gtcaagttca aggaatcgaa ggcttaccag actctgaaca ccaccatcaa atggattcag 540
atcgacaacc aactttacgg cggaattttc cctatgctgc tgtatcccag tgtcgtcccc 600
aaaactggta aggaaatgga agcccatgcg atctggcata ctatgaggac actcgggaag 660
gatgactcct atggtgcgct gtacataaag tatgctactc tgctgatcta gcagatgacg 720
ctggaacctg acgaggacgg gatctgtgct atgctagat 759
```

<210> 24737
 <211> 565
 <212> DNA
 <213> Aspergillus nidulans

<400> 24737

```
atgcagtcaa atcctggact cgccaaaaat acttctgggg cctccctccc tcagtttaat 60
gcaggagcag ttgatcagca tggatgaacca gcgagcactg gtcggcccat atcgtagctg 120
atcgaccagc ctgtggatat aagctcacta tcaactgaacg atgacacgga agaatccgac 180
acgtacacgt acataccgcc ggatccgaga tcagtatatg gcactattgt agctcaggcc 240
ttgagctatg atttgaaaga ccacgagctc gaggtacac aagccacgtc ggacgtgcca 300
tctatgaaac tactctctaa gcaatctacg gaaatgttga atgagatctg cctccgatgg 360
```

agaattcccg cgtgctcgag gattgtccta tttctggacg ttgtacggtc aaagtttgtg 420
gataatgaga ttgacctaga cacactggac tcagcgttca cctttgtcaa ggaaatgcca 480
tcttctgaag gcaaaaacgc gcaacagctt tgttgcgta gtgctctatg ataggcacia 540
gtggactgta aatgacagac tgatg 565

<210> 24738
<211> 815
<212> DNA
<213> Aspergillus nidulans

<400> 24738

atggaagatg aacaagacaa cagcatggaa gacctcggga gcagaggcgg agtccttacc 60
ctaggcgatc tcacagcggg cataatgggc gtgagttctg tcgaagagtt ccgcaaattg 120
ggcgcgcata tcgtggcacc ccgggcagaa ccagcaccag accaagtacc accgtctgat 180
accacagatg ctggaacccc accctccaag aaacttggtc tcgacgttgg tgtcgacggc 240
ttacactatt ctctgatga agccgagaaa ctcgaaaaac tccgcaagca gcgcgctgaa 300
ctcttcacc gccgcgatat gctaactgca cgaaacacgt tcctcactct cgtgcgccac 360
cgctcaaaga gcacccctga cataactaag aagaaagatc ccaaaggcgg ctggaaggat 420
atctgcggtc tcgatacccg gcttgccctg tccgacgagg aattcgacga gtggagggtg 480
tcagaaccag gtaaaaaggc gttggaggag ggcacgcctg aagccttggc ggcaagttat 540
ccgactagca atgtcgatac cgatggcgat acggctatgg gtgttgaaga tgaagacagt 600
tctgcgagtc ttacgcgtgg cgtctgcctg aagaagcgat gtgagcggca caagcagtgg 660
gtcaagggtc agcagcagga tgtcgcgttt gaggagcgca cgctggagag cgatcttgct 720
gagtgcgaga aggaggcacg ggaggtggtc gaacgtgctg tgctgcgaat gtgggctgag 780
gacgggaatg ctcagagtca gctggagaat ggggtg 815

<210> 24739
<211> 249
<212> DNA
<213> Aspergillus nidulans

<400> 24739

gtgaaatacc tccatcctg gttccccggc actggcttca agcgcaccgc tgcacccctg 60

aaacagaccc tgcttacgac gattgagaag ccgtagcggc ttgtgctgaa gcagctggaa 120
 tcgggcaagt accctgactc atacctgtcg aatctactgg aagagacaaa aggccgcccc 180
 ctcagcgag acgaagagca gggtatcaag tggacagccg ggtagctgta taccggtggt 240
 gcagatact 249

<210> 24740
 <211> 1065
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24740
 aggaagacca ttaagagaat ggctactatc tccgctacag ccttgcaaga ggttacaaca 60
 ccatggcgca agaattctatc cggccacgtc atctgccccg agtgcaaaga aatgccccca 120
 aatctggaat tcccagggtc tcatgagact gtttgcggtat cctgtggact ggttcttgcg 180
 gatcgagaaa tcgacatgca ttccgaatgg cgtaccttct cgaacgatga ccaaaacaac 240
 gacgatcctt cgcgtgttgg tgatgctacg aatccgctat tgaatggtga tcaattggag 300
 acgcaaattg ctagtggtgg ttctggccgg gttcgtgacg tgtaccgtgc caaaataaaa 360
 caatcgagcg acaaggcgaa taagtccctc cttgccgcat acaaagaaat cggtagctctc 420
 tgtgacgggt ttggaatccc gaagaacgtg gcagacactg ccaaataattt attcaagatt 480
 gtcgacgacg cgaaagcatt caagggcaaa tcgcaggatg tcatcatcgc cggtgtatt 540
 ttcatgcct gtcgcaagtg caaagttcct cgtactttca ctgagatttt cgctgtcacc 600
 aaggtctcaa ggaaggagat tggacgtata taaaagccc ttgagaagtt ctttaccagc 660
 cagaatctcg agcgggcca tgcagttgtg tccaacggag gtgttcccga cccaacgac 720
 acgtacactg ctacgacctc taccaagccc agcgacctct gcagccgttt ctgcaacctt 780
 ctagatctac cattccaagt cacaagcgta tcatcgcccc tgcggatcg cgtgactacg 840
 gagggcaacc ttgccggacg ctctccgctc tccattgttg cggcgtgcat ctacatggct 900
 tcgtatctca tgggccaccc caagtccgca aaggaaatct ccaagtcgc tcacgtcagc 960
 gacggcacia tccgcggcgc ttacaagcaa ctctacaccg agcgcgagag ctggggttgac 1020
 aagatggtta aagatgtaag gagcctgaaa atcttcttca gctaa 1065

<210> 24741

<211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 24741

```
atggaccgag tacgaaatct agagaccgag tcaggacccc gatataacga aagcgtcgag 60
cacgtccgag aggtcgaata ccctacactg agggatgtca tataccttga ccacgcggga 120
tcgacggtat atgcgcggtc actaatccgg tcgtatgctc tggacctcca gacgagtctg 180
tatgggaacc cccattcaga taatactcca tcacgcgtat ctggggctcg agtagacgct 240
attcgcgtgc agcttctgca cttcttcggc gcagatccta gagactttga cctggtcttc 300
acagccaatg ccaccgcttc catcaaactg gtgggcgagt gcatgtccag ctatactcgg 360
tcacaaaagg cgtcgcgttt cagcaaacgc cgcggttca actatgtgta ccaccaagat 420
gcccatacca gcctggtagg cttgcgggaa attgctaccg gtcagagtat gtgcttgcca 480
ggagatgcag ccgtcgagga gtggatcgat tggggaaaga cgcccagtca gagagacgtg 540
acgctgttcg catatccggg acagagcaac atgaccggcc gacgaacgcc gcaatcttgg 600
tgcgaaaatc tctaa 615
```

<210> 24742
 <211> 1095
 <212> DNA
 <213> Aspergillus nidulans

<400> 24742

```
atgtcctccc tcctcgagct agacggcgag ctgtatgagc acttccccga cgctgacaga 60
cgcttgatac tcttctcctg tccccgaaa gcatgcaacc gaaaagcagg cagcatccga 120
gccctgcgcg cgacaagact acacaagagc caccaggcgc cgcaaaagat tgagaagcag 180
gaaccggaga agaagggtgt cgaacagtcc caggcaccca agccggatct tggtgcaagc 240
ctgttttgta gctcaactct caccaagagc gtctctgcca acgcaaacc tttctcgtca 300
aagccggctt caggttctac acaatcaagc aatccgttcg ctgcccctgt tgctagccat 360
tcacctgctc ctctcgcgtc agccacagaa ttcaaataa cccccaacac cctctccgaa 420
tcatttgtag acaaagtccg cgtctcctcg ccgctccgt ccaactcaagc cgccgagcca 480
gctggcccac caactccctg gccggcacgc tctgagttcc cagagcctta caciaacttc 540
```